

## Certification Report

<b>Rio Jacareacanga REDD+ Project</b>	
<b>Certifier</b>	Jenny Catalina Romero Vargas
<b>Audit class</b>	Verification
<b>Audit type</b>	Mixed
<b>Ordinal verification</b>	1
<b>VVB</b>	4K Earth Science Private Limited
<b>Review start date</b>	24.10.2023
<b>Review final date</b>	15.12.2023
<b>Evaluation criteria</b>	
<b>Protocol</b>	Cercarbono's Protocol for Voluntary Carbon Certification Version 4.1.
<b>Methodology</b>	M/UT-REDD+: Methodology for the Implementation of REDD+ Projects Consistent with National Reference Levels version 1.3.1.
<b>Tools</b>	Cercarbono's Tool to Demonstrate Additionality of Climate Change Mitigation Initiatives. Version 2.0.1.
	Cercarbono's Guidelines to Estimate the Carbon Buffer in Climate Change Mitigation Initiatives in the Land Use Sector v1.2
	Cercarbono's Guidelines to Report Contributions from Climate Change Mitigation Initiatives to the Sustainable Development Goals. Version 1.3.
<b>ISO standards</b>	ISO 14064-2:2019 - Greenhouse gases - Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements.
	ISO 14064-3:2019 - Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements.
<b>Legal Framework</b>	Law No. 5.371, 1967, linked to the Ministry of Justice and Public Security to create the Fundação Nacional do Índio (FUNAI).
	Law No. 6.001, 1973 Art. 231 of the Federal Constitution of 1988. Related to indigenous lands. Provision on the Statute of the Indian.
	Complementary State Law Nº233/2005. Protection to flora in the Mato Grosso territory. Brazil.
	Complementary State Law 668/2020. Sustainable development of the United Nations Organization. Brazil.
	Complementary State Law 668/2020. Environmental regularization program. Brazil.
	State Decree Nº1356/2022 Environmental emergency from May to November 2022. Brazil.
	State Decree Nº1160/2021 Program "Carbono Neutro MT". Brazil.
State Decree Nº1626/1997 Oversight to environment and indigenous lands. Brazil.	

<b>Rio Jacareacanga REDD+ Project</b>	
<b>Legal Framework</b>	Decree No. 6,040, of February 7, 2007 SD law Instituting National policy on Sustainable Development of Peoples and Traditional Communities. Brazil.
	Decree No. 10,144, of November 28, 2019. Establishment of The National Commission for REDD+. Brazil.
	Brazil's submission of a Forest Reference Emission Level (FREL) for reducing emissions from deforestation in the Amazonia biome for REDD+ results-based payments under the UNFCCC from 2016 to 2020.
	Modified Technical Annex on REDD+I-Amazon biome. 8 Jul 2021

<b>CCMP's general and specific information</b>	
<b>Holder information</b>	
<b>Name of the institution (if applicable)</b>	Associação Indígena Pusuru
<b>Legal identity</b>	CNPJ: 10.221.125/0001-03
<b>Communities</b>	Munduruku community of Munduruku Reserve. The reserve has seven primary aldeias (villages) with approximate 2.400 families.
<b>Contact</b>	
<b>Role</b>	Legal representatives of the territory of the Munduruku indigenous communities
<b>CCMP's general and specific information</b>	

<b>Rio Jacareacanga REDD+ Project</b>	
<b>Address</b>	Travessa Tenente Fernandes, 10 - Centro, Jacareacanga/PA
<b>Phone</b>	Not available
<b>Email</b>	<a href="mailto:munduruku@indigenouscarbon.com.br">munduruku@indigenouscarbon.com.br</a>
<b>CCMP legal representative Information</b>	
<b>Name of the institution (if applicable)</b>	Indigenous Carbon LLC /Agfor Empreedimentos
<b>Legal identity</b>	883360848 / 26396649000167
<b>Contact</b>	Michael Green V596104-S /Thiago Castalanos
<b>Role</b>	Carbon Advisor – hired by the Munduruku to guide them on SDG and carbon calculations
<b>Address</b>	The address of its registered office in the state of Delaware is 251 Little Falls Drive, Wilmington, DE 19808.  Michael Edward Greene 1855 Eastbrook St SE, Grand Rapids, Mi 49508
<b>Phone</b>	[REDACTED]
<b>Email</b>	<a href="http://www.indigenouscarbon.com">www.indigenouscarbon.com</a>
<b>CCMP Developer</b>	
<b>Name of the institution (if applicable)</b>	Associação Indígena Pusuru (The people of Munduruku, the Chiefs and everyone in the community).
<b>Contact</b>	[REDACTED]
<b>Address</b>	[REDACTED]
<b>Email</b>	<a href="http://www.indigenouscarbon.com">www.indigenouscarbon.com</a>
<b>Project information</b>	
<b>Sectorial scope</b>	Land use - Forestland (REDD+)
<b>CCMP scale</b>	CCMP Type 1 (>= 10,000 tCO2e/year)
<b>CCMP type</b>	Reducing emissions from deforestation and degradation (REDD+)
<b>Mitigation activity</b>	R4- GHG Removal or Reduction of GHG emissions by avoiding GHG emissions
<b>Classification</b>	Single project
<b>CCMP ID at EcoRegistry</b>	<b>130</b>
<b>Location</b>	The project is located western region of the state of Mato Grosso along the border with Para comprising of the municipalities of Jacareacanga Para. <b>Amazon biome.</b> <b>Coordinates:</b> Northern: 6° 9'20.20"S ; 57°38'14.30"W Southern: 6°55'11.22"S ; 57°43'17.78"W Eastern: 6°37'2.82"S ; 57°25'32.99"W Western most point: 6°34'25.99"S; 58°16'32.31"W Central point of project: 6°31'51.82"S; 57°45'7.16"W
<b>Reference region</b>	<b>CCMP:</b> 31.157.260,92 ha <b>FREL:</b> 8.604.402,44 ha (6.858.437,43 Forest: 80%) Amazon Biome.
<b>REDD+ activities</b>	<b>CCMP:</b> Reducing emissions from Deforestation. <b>FREL:</b> Only Reducing emissions from Deforestation.
<b>Carbon pools</b>	<b>CCMP:</b> Above-ground and below-ground biomass. <b>FREL:</b> Above-ground, below-ground biomass and litter.

<b>Rio Jacareacanga REDD+ Project</b>	
<b>Total area of CCMP (ha)</b>	404.915 ha, corresponds to elegibles 320,940 hectares (79% forest) out of a total of 2.381.795 hectares that the Munduruku Indigenous Territory holds.
<b>CCMP eligible area (ha)</b>	320.940 ha
<b>Leakages (belt)</b>	119.584.00 ha (potential lost 81.702,85 ha, ± 25% of area project).
<b>Project information</b>	
<b>Total validated area (ha) of the CCMP</b>	320.940 ha
<b>Total GHG removal or emissions reduction generated over the crediting period</b>	15.745.044 tCO <sub>2</sub> e (according to validation and verification statement).
<b>Net GHG removal or emissions reduction generated over the crediting period</b>	13.902.912 tCO <sub>2</sub> e (according to validation and verification statement).
<b>Deforestation segment (ha)</b>	320.940 ha
<b>Degradation segment (ha)</b>	None
<b>Segments area (ha)</b>	320.940 ha
<b>Historical reference period</b>	<b>CCMP:</b> 2000-2017 (until june). <b>FREL:</b> 1996-2015.
<b>Projection period</b>	<b>CCMP:</b> 2017-2037 <b>FREL:</b> 2016-2020
<b>CCMP total verified area (ha)</b>	320.940 ha
<b>Total duration of the CCMP</b>	01.07.2017 – 30.06.2047 (30 years).
<b>PDD Date</b>	25.09.2023 - Version 2.0. (Initial review of document) 06.12.2023- Version 3.0. (Final review of document, according history section)
<b>Monitoring report date</b>	25.09.2023 - Version 2.0. (Initial review of document) 06.12.2023- Version 3.0. (Final review of document, according history section)
<b>Monitoring period</b>	01.07.2017 – 30.06.2022
<b>Crediting period</b>	01.07.2017 – 30.06.2037 (20 years, according to Cercarbono protocol).

The point is the thousands separator, the comma is the decimal separator  
Please note date format in this document is dd.mm.yyyy

## Documentary and technical review

Element	Does it comply?	Observations	EcoRegistry associated file
<b>Project Description Document (PDD)</b>			
Clearly identified version(s)	Yes	This document was updated as per in Cercarbono's change request #841.	<b>Verification documentation No.1:</b> Project Description Document Folder: Jacareganga_PD.zip  Supporting documents folder: OverlapBuffer Tool.rar  Validation statement folder: Statement.v3.rar Jacareganga_Val_Ver_Statement.zip
Document completeness and compliance with legal regulations and the program	Yes	Complete document, satisfies Cercarbono's review.	
Review of potential overlaps (REDD+ mainly)	Yes	Cercarbono reviewed that the CCMP areas do not overlap, neither temporally nor geographically, with other similar initiatives (Projects ID 3332 and 3380 of VERRA were reviewed, which contemplate a region of interest area that apparently overlaps geographically with the project areas, but the holders under SC # 843, explained with supports that these areas are not part of the boundaries of the project but yes to the reference area of those projects, therefore there not overlap).	
Calculations of mitigation (validation) for the its Crediting period 01.07.2017 – 30.06.2037 (20 years according to PDD)	Yes	Based on calculations and the PDD, the CCMP is expected to net reduce emissions by 13.902.912 tCO <sub>2</sub> e (in average per year 695.145 tCO <sub>2</sub> e) during its 20-year Crediting period.	
<b>CCMP supporting documents</b>			
Legal accreditation document as holder of the CCMP	Yes	The legal status of the Munduruku Indigenous Territory is ratified and registered with the Cartório de Registro de Imóveis (CRI) and the Secretaria do Patrimônio da União (SPU) by Decree s.n. - 26/02/2004.	<b>Verification documentation No.1:</b> Analysis of governance Folder: 1701889578501_12 - Jacareacanga - Governance Analysis_Munduruku V1.2
Power of attorney with or without withdrawals	Yes	Holders of CCMP assigned a legal representative under a power of attorney with withdrawals. As per in change request #773, Cercarbono requested the holders' legal documentation and their legal representative's identification.	<b>Verification documentation No.1:</b> Special power of representation folder:1702051176764_pusuru pofa.pdf  Supporting documents folder: RESULT REPORT - Filed.pdf INDIGENOUS CARBON LLC - DE - Incorporation_Formation Filing - 808620-1-0.pdf; LLC Operating Agreement.

Element	Does it comply?	Observations	EcoRegistry associated file
Declaration of migration from another standard or program	No		
Location file(s)	Yes	The developer included the KML for the CCMP. This document was updated as per in Cercarbono's change request #978.	<b>Verification documentation No.1:</b> Cartography folder: 130 - Jacareacanga REDD.zip
Other important information that supports the validation of the CCMP	Yes		<b>Verification documentation No.1:</b>
Environmental requirements	Yes	Table 42, section 4.1 Legal requirements of the PDD and Table 35, section 10.1 Legal requirements of the monitoring report lists the environmental laws the project complies with.	Project Description Document Folder: Jacareganga_PD.zip Monitoring report folder: 12. MR Jacareacanga.rar
Land tenure (if applicable)	Yes	Indigenous people have the right to their land, and the right to use their land.	Analysis of governance Folder: 1701889578501_12 - Jacareacanga - Governance Analysis_Munduruku V1.2
Information management	Yes		
<b>Validator Conflict of Interest Statement</b>	Yes	Signed: 23.01.2023. This document was updated as per in Cercarbono's change request #876.	<b>Verification documentation No.1:</b> Validation body conflict of interest statement folder: ☐ 1697803403581_2022.0.pdf

Element	Does it comply?	Observations	EcoRegistry associated file
<b>Validation report and annexes</b>			
Duly signed	Yes	Signed by Managing Director of VVB.	<b>Documentos verificación No.1:</b> Carpeta informe de validación y anexos: FVR.v3.rar Jacareganga_FVR.zip rev_Final Draft_Joint_Validation_and_Verification_Report_JACAREACANGA.pdf
Validation report date	Yes	28.09.2023 (Initial version 1.0 reviewed) 12.12.2023 (Final version 4.0 reviewed).	
Report of verification findings or corrective actions with evidence demonstrating they have been addressed.	Yes	Presented jointly with the verification report.	
<b>Validation statement</b>			
Duly signed	Yes	Signed by Managing Director of VVB.	<b>Verification documentation No.1:</b> Validation statement folder: ☐ Statement.v3.rar Jacareganga_Val_Ver_Statement.zip
Validation statement date	Yes	Signed: 14.12.2023 This document was updated as per in Cercarbono's change request #875.	
Corresponde al CCMP, áreas y acciones	Yes	It supports the validated areas of the CCMP as well as its accreditation period and reductions to be achieved in this period.	
<b>Methodological elements</b>			
Eligibility	Yes	This was been evident during the assessment of the eligibility of land under the PDD validated, according with the methodology.	<b>Verification documentation No.1:</b> Project Description Document Folder: Jacareganga_PD.zip Monitoring report folder: 12. MR Jacareacanga.rar
Additionality	Yes	According Cercarbono's additionality tool, the project presents barrier analysis that demonstrates that emissions reductions would not occur in the absence of the project.	

Element	Does it comply?	Observations	EcoRegistry associated file
Baseline scenario	Yes	The identification and selection of alternative land use scenarios for the determination of the baseline was made based on the additionality analysis. The rate of historical deforestation in the amazon biome as well as the reference region, in a scenario of the absence of the project, with the risks of reversal and without the impulse of external financing (with an uncertainty that it will continue) that has been done, would incur in a significant emission of carbon dioxide compared to the deforestation avoided, which is expected with the implementation of the lines of action of the REDD+ project.	<b>Verification documentation No.1:</b>  Project Description Document Folder: Jacareganga_PD.zip
GHG emission sources	Yes	CO2 emissions from burning of biomass by deforestation processes.	Monitoring report folder: 12. MR Jacareacanga.rar
Carbon pools	Yes	Above-ground and below ground (in the monitoring report and PDD).	Verification report and annexes folder: FVR.v3.rar Jacareganga_FVR.zip rev_Final Draft_Joint_Validation_and_Verification_Report_JACAREACANGA.pdf
Leakages	Yes	The CCMP assumes 15% as "leakage displacement factor" because not all deforestation agents do not participate in leakage prevention and project activities. Therefore 421.26 ha could be deforested in the leakage belt during the project length.	
Non permanence	Yes	The CCMP used Cercarbono's Tool to Estimate Carbon Buffer (11.7% buffer carbon). This document was updated as per in Cercarbono's change request #716.	
No double counting	Yes	None.	
Co-benefits and contributions to the SDGs	Yes	The CCMP used Cercarbono's SDG tool. See Section on SDG. See section on SDG.	
Safeguards	Yes	See section on safeguards.	
Methodological deviations	No		
<b>Verification calculations</b>	Yes	Are correct.	<b>Verification documentation No.1:</b>  Verification calculations folder: ER_monitoring_project_12_Jacareacanga_25092023_MV.
<b>Monitoring report</b>	Yes	Document updated according to Cercarbono's change request #848.	<b>Verification documentation No.1:</b>  Monitoring report folder: 12. MR Jacareacanga.rar



Element	Does it comply?	Observations	EcoRegistry associated file
<b>Remote audit requirements</b>	Yes	Combined field visit was conducted and an exhaustive review of remote sensing tools was carried out with "Methodology Procedures Used in Processing, Classification, and Accuracy Assessment of Remotely Sensed Data".	<b>Verification documentation No.1:</b>  Monitoring report folder: 12. MR Jacareacanga.rar.  Verification report and annexes folder: FVR.v3.rar Jacareganga_FVR.zip rev_Final Draft_Joint_Validation_and_Verification_Report_JACAREACANGA.pdf
<b>Verification report and annexes</b>			
Duly signed	Yes	Signed by VVB Director.	<b>Verification documents No.1</b>  Verification report and annexes folder: FVR.v3.rar Jacareganga_FVR.zip rev_Final Draft_Joint_Validation_and_Verification_Report_JACAREACANGA.pdf
Report of verification findings or corrective actions with evidence demonstrating they have been addressed.	Yes	During the Validation/verification process 27 Corrective Actions Request and none forward action request concerning verification were raised.	
Total area of CCMP verified (ha, if applicable)	Yes	The CCMP area was reviewed	
Verification report date	Yes	28.09.2023 (Initial version 1.0 reviewed) 12.12.2023 (Final version 4.0 reviewed).	
Verification period	Yes	01.07.2017 - 30.06.2022	
Total GHG emission reductions or total GHG removals for the period monitored	Yes	<b>4.034.650</b>	
GHG emission reductions or GHG removals carbon buffer	Yes	472.041	
Net GHG emission reductions or net GHG removals for the verified period	Yes	<b>3.562.609</b>	

Element	Does it comply?	Observations	EcoRegistry associated file
<b>Verification statement</b>			
Duly signed	Yes	Signed by managing Director-VVB	<b>Verification documents No.1:</b> Verification statement folder: Statement.v3.rar Jacareganga_Val_Ver_Statement.zip
Verification statement date	Yes	20.10.2023 (Initial version reviewed) 14.12.2023 (Final version reviewed). This document was updated as per in Cercarbono's change request #875.	
Tons of CO2e removed or reduced in the EcoRegistry platform is consistent with reality	Yes	Cercarbono made modifications in EcoRegistry platform based on updated verification report, verification statement and monitoring report documents.	
Other verification supporting documents	Yes		
<b>GHG removals or GHG emission reductions (verification 1)</b>			
VVB in charge	Yes	4K Earth Science Private Limited	<b>Verification documents No.1</b> Verification report and annexes folder: FVR.v3.rar Jacareganga_FVR.zip rev_Final Draft_Joint_Validation_and_Verification_Report_JACAREACANGA.pdf Verification statement folder: Statement.v3.rar Jacareganga_Val_Ver_Statement.zip
Total area of CCMP validated (ha, if applicable)	Yes	320.940 ha	
Total area of CCMP verified (ha, if applicable)	Yes	320.940 ha	
Validation report date	Yes	12.12.2023	
Validation statement date	Yes	14.12.2023	
Net GHG removal during the duration of the validated CCMP	Yes	13.902.912 tCO2e	
Verification period	Yes	01.07.2017 - 30.06.2022	
Verification report date	Yes	12.12.2023	
Verification statement date	Yes	14.12.2023	
Total reduction of GHG emissions during the verified period (2017-2022)	Yes	4.034.650	
Pooled carbon buffer for the verified period (2017-2022)	Yes	201.727	
Individual carbon buffer for the verified period (2017-2022)	Yes	270.314	
Net GHG removals during the verified period (2017-2022)	Yes	<b>3.562.609</b>	

## Safeguards

Element	Response level			
	NM*	NDN*	AP*	
<b>Safeguard</b>				<p><b>Verification documentation No.1:</b></p> <p>Project Description Document Folder: Jacareganga_PD.zipver 22.09.23.</p> <p>Monitoring report folder: 12. MR Jacareacanga.rar.</p> <p>Verification report and annexes folder: FVR.v3.rar Jacareganga_FVR.zip rev_Final Draft_Joint_Validation_and_Verification_Report_JACAREACANGA.pdf</p>
S1			*	The project completed the evaluation of objectives, goals, content and implementation of instruments regarding complementarity and consistency with REDD+ actions.
S2			*	The project has a social control and a training plan in the REDD+ project. In addition, the project respects the community structure and social organization of the indigenous people. It also guarantees transparency and disclosure of all information.
S3			*	The project not only guarantees the protection of indigenous rights, but also promotes the enhancement of traditional culture.
S4			*	For the planning and implementation of the project, the prior consent of the entire population was verified, and the approval occurred in a free and informed manner
S5			*	The project was designed to conserve the territory and improve the quality of the ecosystem services.
S6			*	The project ensures long-term sustainability to face the reversal risks, articulating the actions with planning instruments.
S7			*	The project contributes to forest and biodiversity conservation by developing monitoring and control actions in the territory.
*NM	Not mentioned/addressed.			
*NDN	No net harm.			
*AP	Positive action			
<b>Does it comply with safeguards?</b>				Yes

## Contributions to SDGs

Element	Ok	Observations	EcoRegistry associated file
<b>Reporting process</b>			
VVB authorized to audit SDG compliance	Yes	Supported by the VVB: 2, 8 y 13 SDGs. For all the SDG listed the evidence submitted are per the "Evidence Format" instructions.	<b>Verification documents No.1:</b> SDG rubric folder:1698029694016_Jacarecanga_SDG Tool rubric_filled 20102023_ZH.
VVB-approved review rubric	Yes		Monitoring Report folder:1698028995384_8.MR. Ipixuna REDD ver 18.10.23.  SDG report tool folder: nos SDG Tool Jacarecanga REDD Project ver 08.09.23
Evidence available and sufficient	Yes	These documents were updated as per in Cercarbono's change request #852.	Evidence form SGDs folder: 28.07.23_SDG2_Evidence2_130.pdf; 28.07.23_SDG2_Evidence10_130.pdf; 28.07.23_SDG3_Evidence3_130.pdf 28.07.23_SDG3_Evidence9_130.pdf; 28.07.23_SDG4_Evidence5_130.pdf; 28.07.23_SDG8_Evidence4_130.pdf 28.07.23_SDG9_Evidence6_130.pdf; 28.07.23_SDG9_Evidence8_130.pdf; 28.07.23_SDG9_Evidence12_130.pdf 28.07.23_SDG13_Evidence1_130.pdf; 28.07.23_SDG14_Evidence7_130.pdf; 28.07.23_SDG15_Evidence11_130.pdf
Reported tool	Yes	Approved by the VVB	
<b>Contributions to SDGs approved</b>			
	<b>Does it apply?</b>	<b>Observations</b>	<b>EcoRegistry associated file</b>
SDG 01 -End of poverty	NA		
X SDG 02 - Zero hunger	Yes	The project bought food for the whole community. The community can only grow a certain type of foods, and due tot this it is necessary to sup pliment their diets or face situ ations of malnutrition.	<b>Verification documents No.1:</b> SDG rubric folder:1698029694016_Jacarecanga_SDG Tool rubric_filled 20102023_ZH.  Monitoring Report folder:1698028995384_8.MR. Ipixuna REDD ver 18.10.23.
X SDG 03 - Health and wellness	No	This SDG was not approved by the VVB.	
X SDG 04 - Quality education	NA	Does not have materiality for the sector.	
SDG 05 - Gender equality	NA		
SDG 06 - Clean water and sanitation	No		
SDG07 -Affordable and clean energy	NA		

Element	Ok	Observations	EcoRegistry associated file	
Contributions to SDGs approved	Does it apply?	Observations	EcoRegistry associated file	
X	SDG 08 - Decent work and economic growth	Yes	The project providing employment and income for community members, preserving indigenous culture and traditions, and protecting the environment 25 families have seen their incomes grow.	<b>Verification documents No.1:</b> SDG rubric folder: 1698029040440_IPIXUNA SDG Tool rubric_filled 20102023_ZH.  SDG report tool folder: 1692143102370_Herramienta de reporte a los ODS.
X	SDG 09 - Industry, innovation and infrastructure	NA	Does not have materiality for the sector.	
X	SDG 10 - Reduction of inequalities	NA	Does not have materiality for the sector.	
	SDG 11 -Sustainable cities and communities	No		
	SDG 12 -Responsible consumption and production	NA		
X	SDG 13 - Climate action	Yes	The project contributed to the reduction of the amount of GHG emissions as presented in the monitoring report.	<b>Verification documents No.1:</b> SDG rubric folder: 1698029040440_IPIXUNA SDG Tool rubric_filled 20102023_ZH.  SDG report tool folder: 1692143102370_Herramienta de reporte a los ODS.
	SDG 14 - Submarine life	NA		
	SDG 15 - Life of terrestrial ecosystems	No		
	SDG 16 - Peace, justice and strong institutions	NA		
	SDG 17 -Partnerships to achieve the goals	NA		

## Carbon Buffer in land use sector

Balance				
		<b>Individual buffer percent</b>	6,7%	
<b>Gross risk ratio</b>	9,16			
		<b>Pooled buffer percent</b>	5,0%	
<b>Net risk ratio</b>	6,66			
		<b>Total buffer percent</b>	11,7%	
Balance by risk category				
Risk category	Subcategory	Risk index	Risk mitigation index	Net index
<b>Management</b>	Duration	2,0	0,0	2,0
	Financial viability	1,0	0,0	1,0
	Technical robustness	0,0	0,0	0,0
	Organisational	0,0	-1,0	0,0
	Opportunity cost	0,0	0,0	0,0
	Legal figure	0,0	0,0	0,0
	Species susceptibility	1,5	0,0	1,5
<b>Context</b>	Conflicts relating to the land tenure	1,0	-1,0	0,0
	Country	1,7	0,0	1,7
	Social	0,0	0,0	0,0
<b>Natural</b>	Adaptation of the species used (precipitation)	0,0	-0,5	0,0
	Adaptation of the species used (temperature)	1,0	-0,5	0,5
	Pests and diseases	0,0	-0,5	0,0
	Fires	1,0	-1,0	0,0
<b>Performance</b>	Reversals	0,0	0,0	0,0
<b>Tool audited by the VVB</b>				<b>Yes</b>
<b>Satisfy</b>				<b>Yes</b>

## Carbon credits

GHG removal or GHG emissions Reduction (tCO <sub>2</sub> e)											
Year	Emission reduction for deforestation avoided (tCO <sub>2</sub> e)										OK
	Baseline		Project emissions		Leakages		Total Reductions	Carbon Buffer		Net Reductions	
	AG	BG	AG	BG	AG	BG		Pooled	Individual		
2017	433.163	3.010	0	0	35.187	244	400.742	20.036	26.849	353.857	Ok
2018	861.551	12.043	5.869	82	25.847	359	841.437	42.071	56.375	742.991	Ok
2019	856.777	18.065	10.713	225	38.993	815	824.096	41.204	55.213	727.679	Ok
2020	852.002	24.087	15.306	432	7.605	212	852.534	42.626	57.119	752.789	Ok
2021	847.228	30.109	82.608	2.936	61.189	2.145	728.459	36.422	48.805	643.232	Ok
2022	421.226	18.065	17.079	732	32.718	1.380	387.382	19.368	25.953	342.061	Ok
<b>Total</b>	<b>4.271.947</b>	<b>105.379</b>	<b>131.575</b>	<b>4.407</b>	<b>201.539</b>	<b>5.155</b>	<b>4.034.650</b>	<b>201.727</b>	<b>270.314</b>	<b>3.562.609</b>	

\*The monitoring period corresponds from 01.07.2017 to 06.30.2022

GHG removal or GHG emissions Reduction (tCO <sub>2</sub> e)									
Year	Emission reduction for deforestation avoided (tCO <sub>2</sub> e)								
	CCMP Reduction		Individual carbon buffer		Pooled carbon buffer		Net reductions		Total
	AG	BG	AG	BG	AG	BG	AG	BG	
2017	397.976	2.766	26.664	185	19.898	138	351.414	2.443	353.857
2018	829.835	11.602	55.598	777	41.491	580	732.746	10.245	742.991
2019	807.071	17.025	54.073	1.140	40.353	851	712.645	15.034	727.679
2020	829.091	23.443	55.549	1.570	41.454	1.172	732.088	20.701	752.789
2021	703.431	25.028	47.129	1.676	35.171	1.251	621.131	22.101	643.232
2022	371.429	15.953	24.885	1.068	18.571	797	327.973	14.088	342.061
<b>Total</b>	<b>3.938.833</b>	<b>95.817</b>	<b>263.898</b>	<b>6.416</b>	<b>196.938</b>	<b>4.789</b>	<b>3.477.997</b>	<b>84.612</b>	<b>3.562.609</b>

**Carbon pools:** AG: Above ground and; BG: Below ground; DW: Dead wood; SOC: Soil organic carbon. Only AG and BG have been considered by CCMP.

<b>Total GHG emissions reduction</b>	<b>4.034.650</b>
<b>Net GHG emissions reduction</b>	<b>3.562.609</b>
<b>Pooled carbon buffer</b>	<b>201.727</b>
<b>Individual carbon buffer</b>	<b>270.314</b>

Additionality in the international context:	Yes
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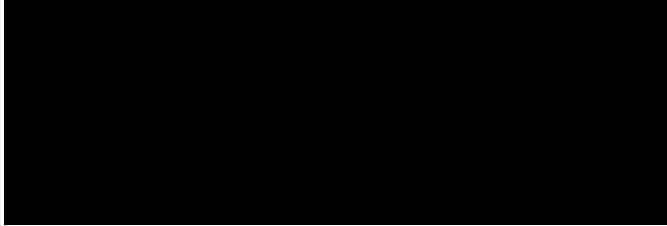
<b>Carbon credits to be issued</b>	<b>Total</b>
Deforestation segment	<b>3.562.609</b>
Carboncer applicable to Decree 926, supported under the date on which they are issued.	<b>0</b>
Carboncer aligned to the FREL -Brazil (2017-2020)	<b>2.577.316</b>
<b>Total</b>	<b>3.562.609</b>
Is the issuance of the reported Carboncer approved?	<b>Sí</b>

<b>Observaciones</b>
The carboncer credits have been separated according to the reason for use. The point is the thousands separator, the comma is the decimal separator



### Data for the certificate of emission of carbon credits - Carboncer

<b>CCMP</b>	Rio Jacareacanga REDD+ Project
<b>Holder(s)</b>	<b>Associação Indígena Pusuru</b> , Which in turn is represented by: <b>Indigenous Carbon LLC /AGFOR EMPREENDIMENTOS LTDA.</b>
<b>Legal identification</b>	CNPJ: 10.221.125/0001-03 (Associação Indígena Pusuru) 883360848 (Indigenous Carbon LLC) CEP:68.626-160 / registry number: 498977 (AGFOR).
<b>Total GHG emissions reduction</b>	4.034.650
<b>Pooled carbon buffer</b>	201.727
<b>Individual carbon buffer</b>	270.314
<b>Net GHG emissions reduction</b>	<b>3.562.609</b>
<b>Protocol version</b>	Cercarbono's Protocol for Voluntary Carbon Certification V4.1
<b>Methodology</b>	M/UT-REDD+: Methodology for the Implementation of REDD+ Projects Consistent with National Reference Levels version 1.3.1.
<b>Tools</b>	Cercarbono's Tool to Demonstrate Additionality of Climate Change Mitigation Initiatives. Version 2.0.1.
	Cercarbono's Guidelines to Estimate the Carbon Buffer in Climate Change Mitigation Initiatives in the Land Use Sector v1.2
	Cercarbono's Guidelines to Report Contributions from Climate Change Mitigation Initiatives to the Sustainable Development Goals. Version 1.3.
<b>ISOs standard</b>	ISO 14064-2:2019 - Greenhouse gases - Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements.
	ISO 14064-3:2019 - Greenhouse gases - Part 3: Specification with guidance for the verification and validation of greenhouse gas statements.
<b>Legal Framework</b>	Law No. 5.371, 1967. Brazil.
	Law No. 6.001, 1973 Art. 231 of the Federal Constitution of 1988. Brazil.
	Complementary State Law Nº233/2005. Brazil.
	Complementary State Law 668/2020. Brazil.
	Complementary State Law 668/2020. Brazil.
	State Decree Nº1356/2022. Brazil.
	State Decree Nº1160/2021 Program "Carbono Neutro MT". Brazil.
	State Decree Nº1626/1997. Brazil.
	Decree No. 6.040, of February 7, 2007. Brazil.
	Decree No. 10.144, 2019. Brazil.
	Brazil' FREL-UNFCCC from 2016 to 2020.
Modified Technical Annex on REDD+I-Amazon biome. 8 Jul 2021	

<b>Contribution to SDG</b>	SDGs: 2, 8 and 13, approved in accordance with the VVB and the materiality of the Cercarbono tool.
<b>CCMP Certifier</b>	Jenny Catalina Romero Vargas
<b>Identification</b>	38.142.925
<b>Certifier signature</b>	
<b>Report issuance date</b>	15.12.2023