

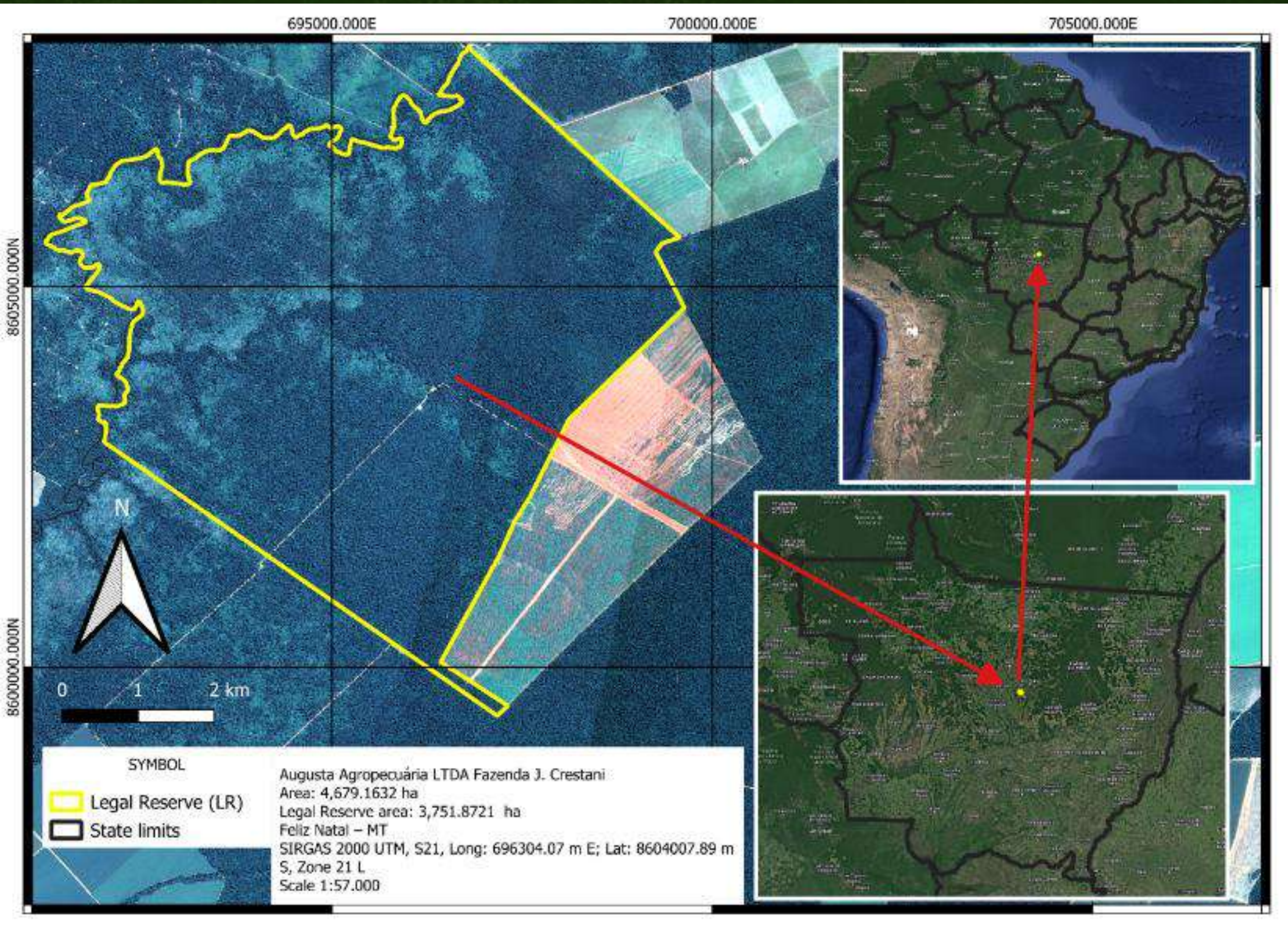


**vertecotech**<sup>®</sup>

WE PRESERVE, COMPENSATE AND CREATE THE FUTURE

FAZENDA J. CRESTANI

FELIZ NATAL, MATO GROSSO, BRAZIL





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# Fazenda J. Crestani Conservation Project

Map interface showing a route from Sinop to a destination in the Vale do Arraias region. The route is highlighted in blue and passes through several towns including Paranatinga, Pato Bravo, São Luís, Cascatinha, Jaboticabal, Sorriso, and São Pedro. Two callouts indicate travel times and distances: 1 h 48 min for 127 km and 1 h 50 min for 128 km. The map interface includes search bars, navigation controls, and a scale bar.

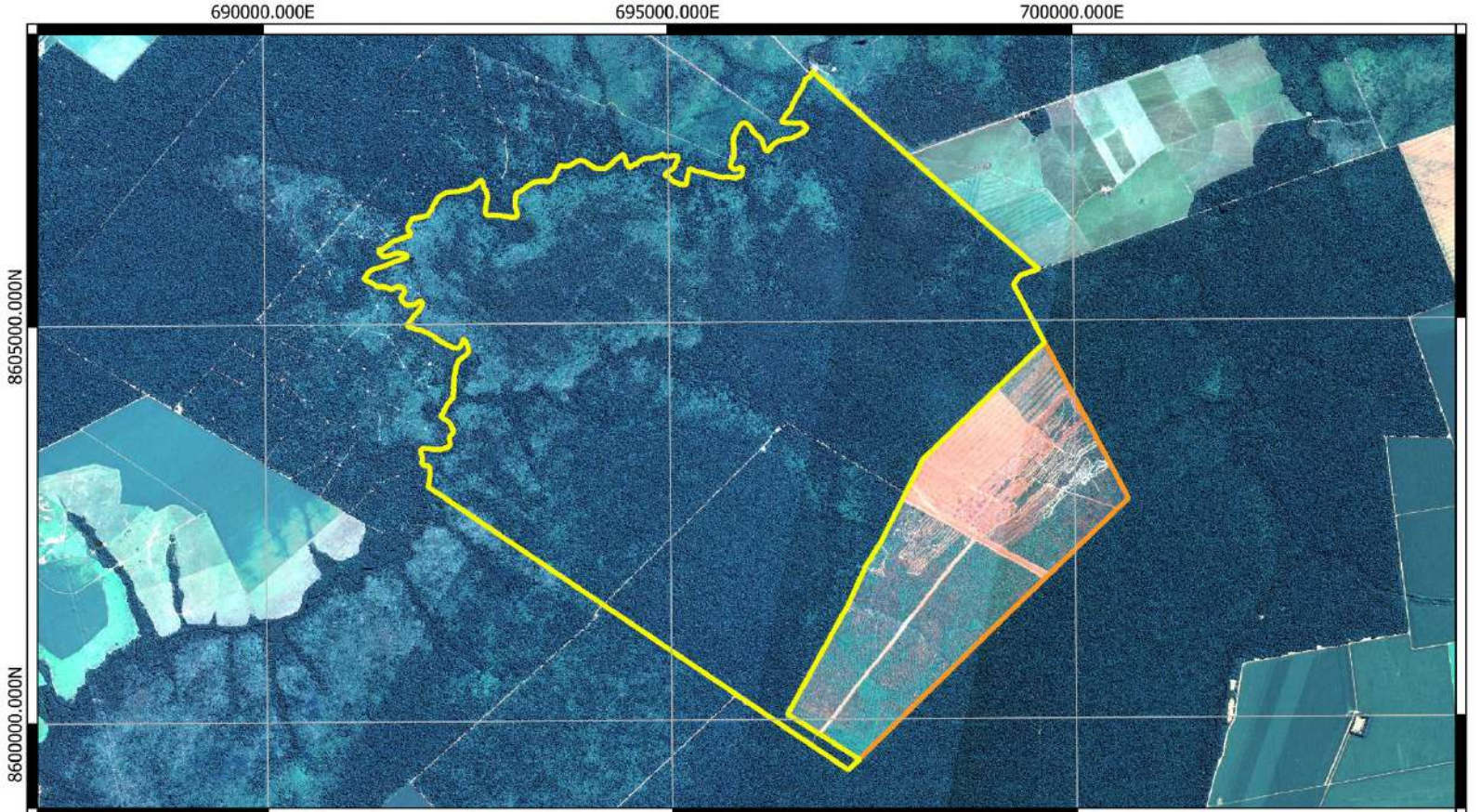




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# Fazenda J. Crestani Conservation Project

## Project Boundary



**Scale 1: 55.000**

0 1 2 km

**SYMBOLS**

- Property border
- Legal Reserve (LR)

Fazenda J. Crestani Conservation Project  
 SIRGAS 2000 UTM Zone: S 21  
 Basemap: CBERS 4A WPM May 10th 2023  
 Resolution: 2 m x 2 m  
 Legal Reserve (LR): 3,751.8721 ha  
 Property: 4,679.1632 ha

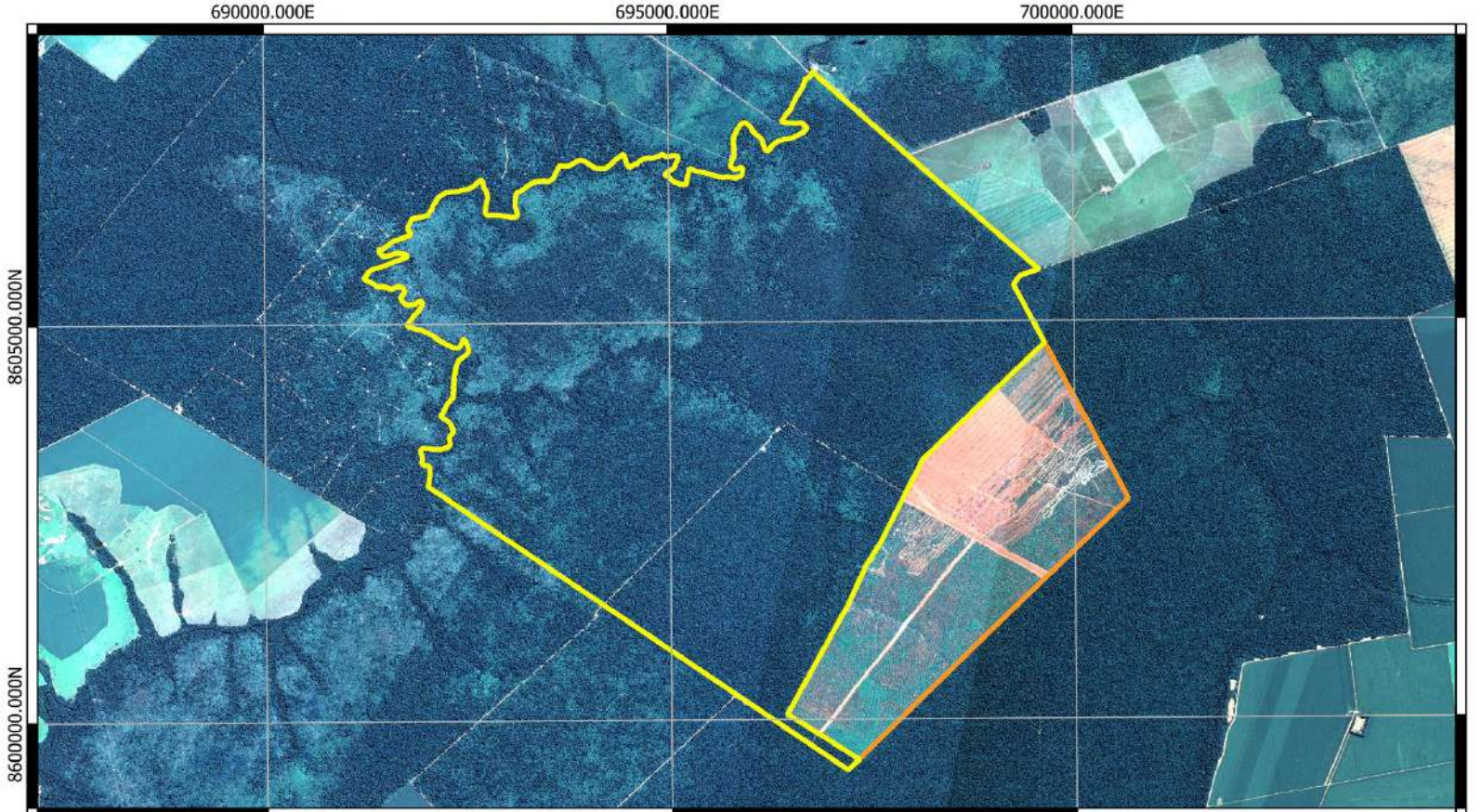




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# Fazenda J. Crestani Conservation Project

## Project Boundary



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0 1 2 km

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Fazenda J. Crestani Conservation Project  
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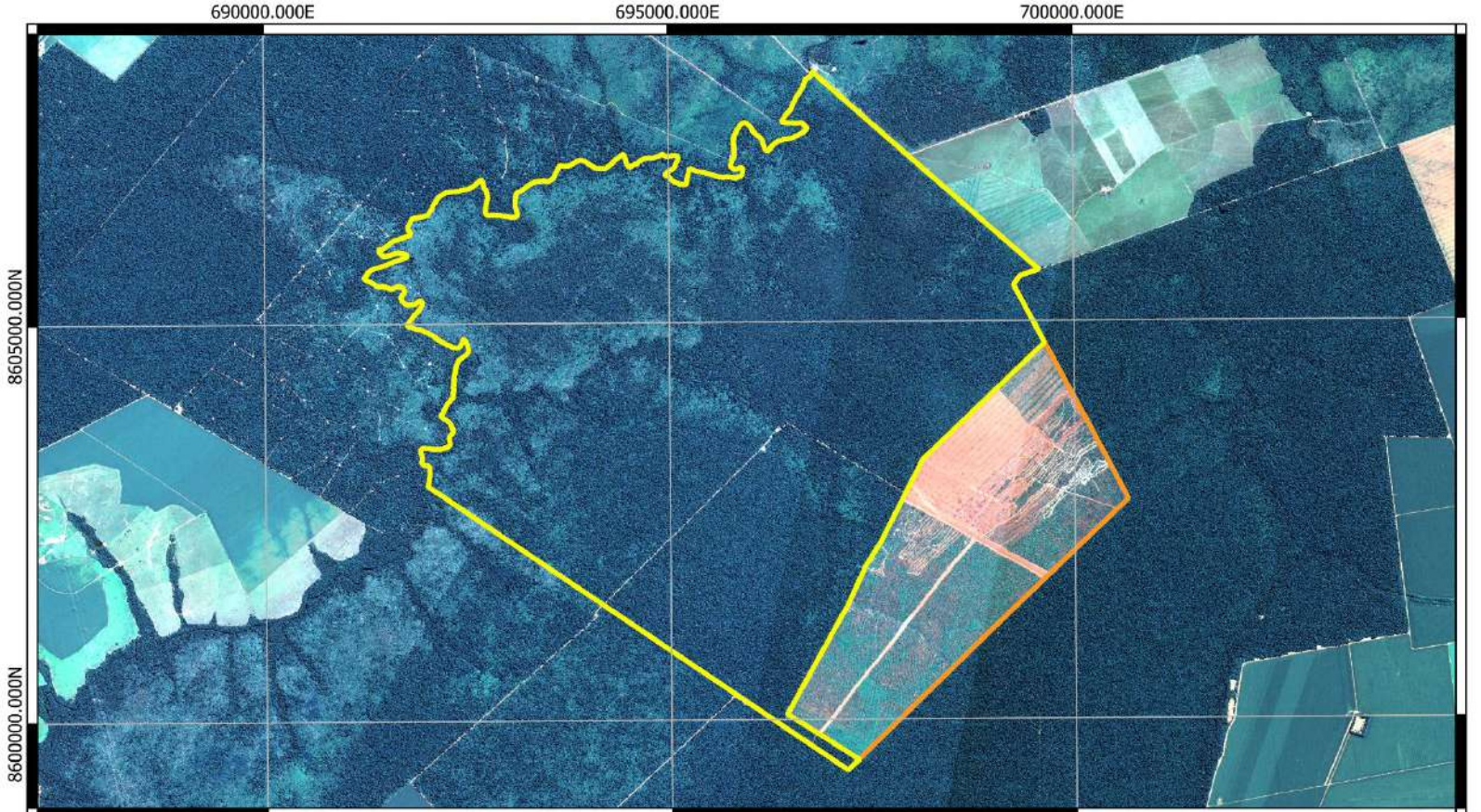




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# Fazenda J. Crestani Conservation Project

## Project Boundary



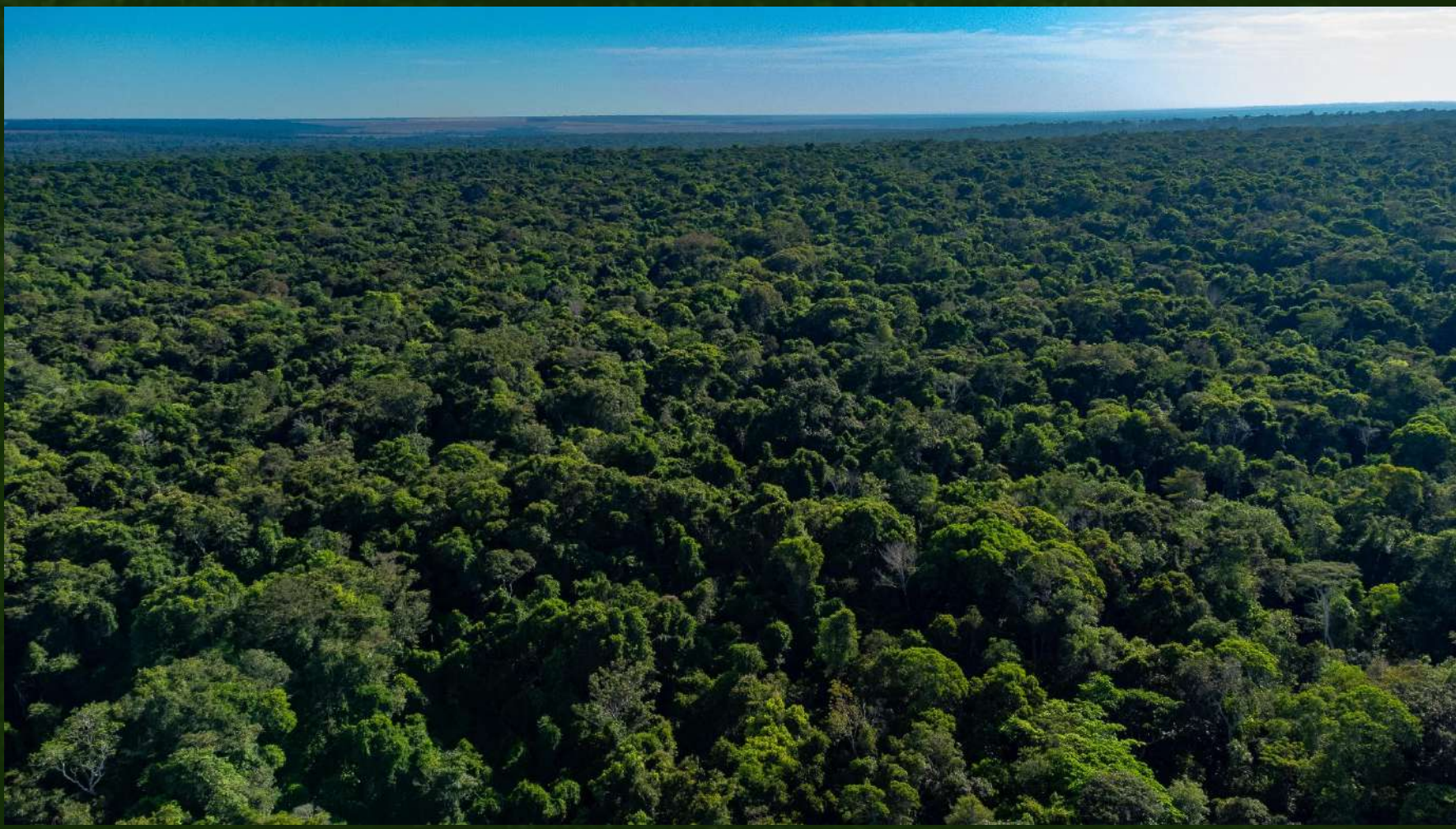
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- Property border
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**Scale 1: 55.000**

0 1 2 km

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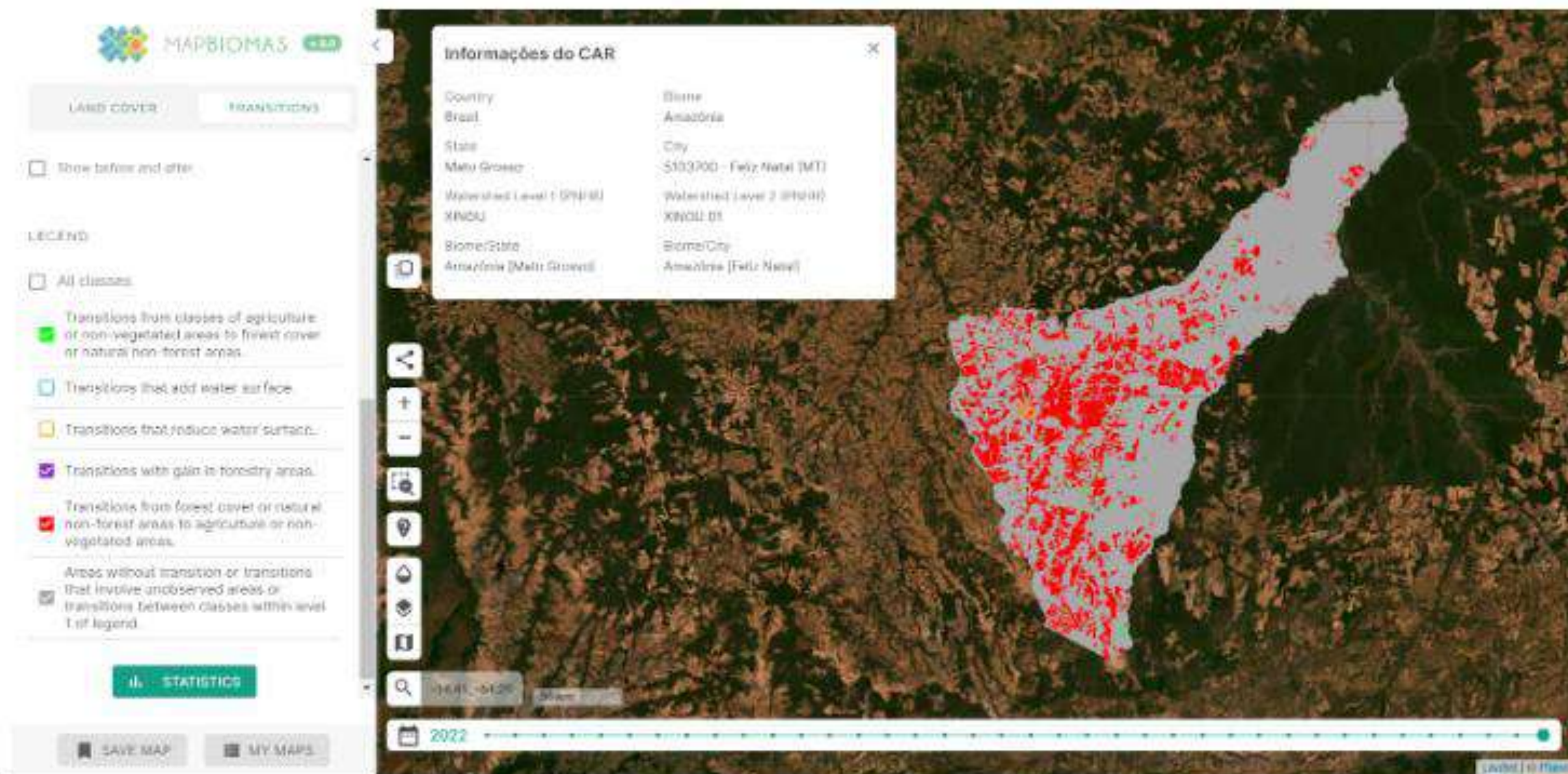
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Fazenda J. Crestani Conservation Project

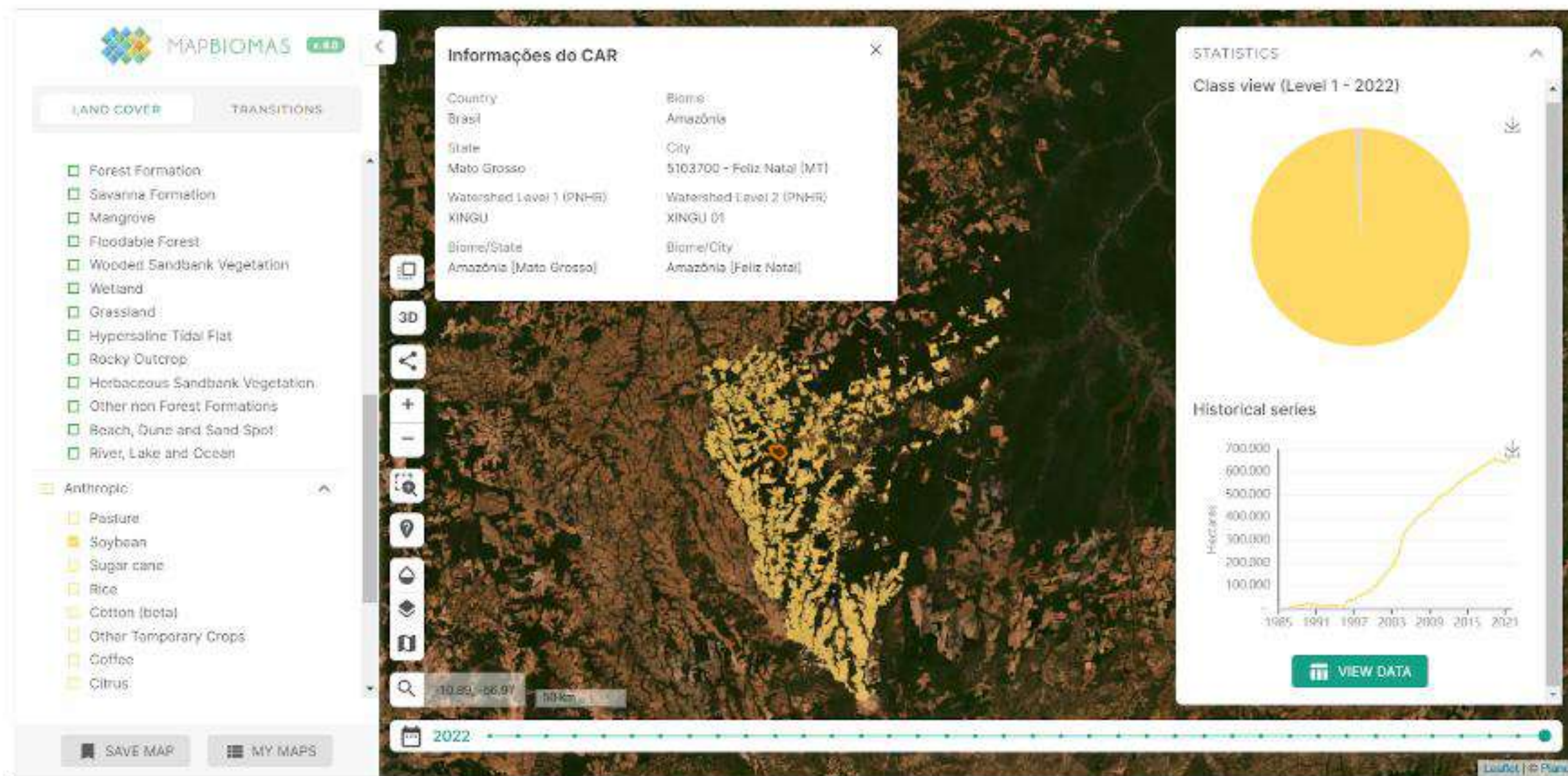
## CONTEXTUALISATION - BASELINE

- Wildfires, deforestation, fragmentation and biodiversity loss;
- Agriculture activities expansion;
- Challenges related to the preservation of native areas (Legal Reserve);
- Scarcity of Payment for Environmental Services (PES);
- Lack of enforcement of Law 12.651/2012 (Forest Code) and others.

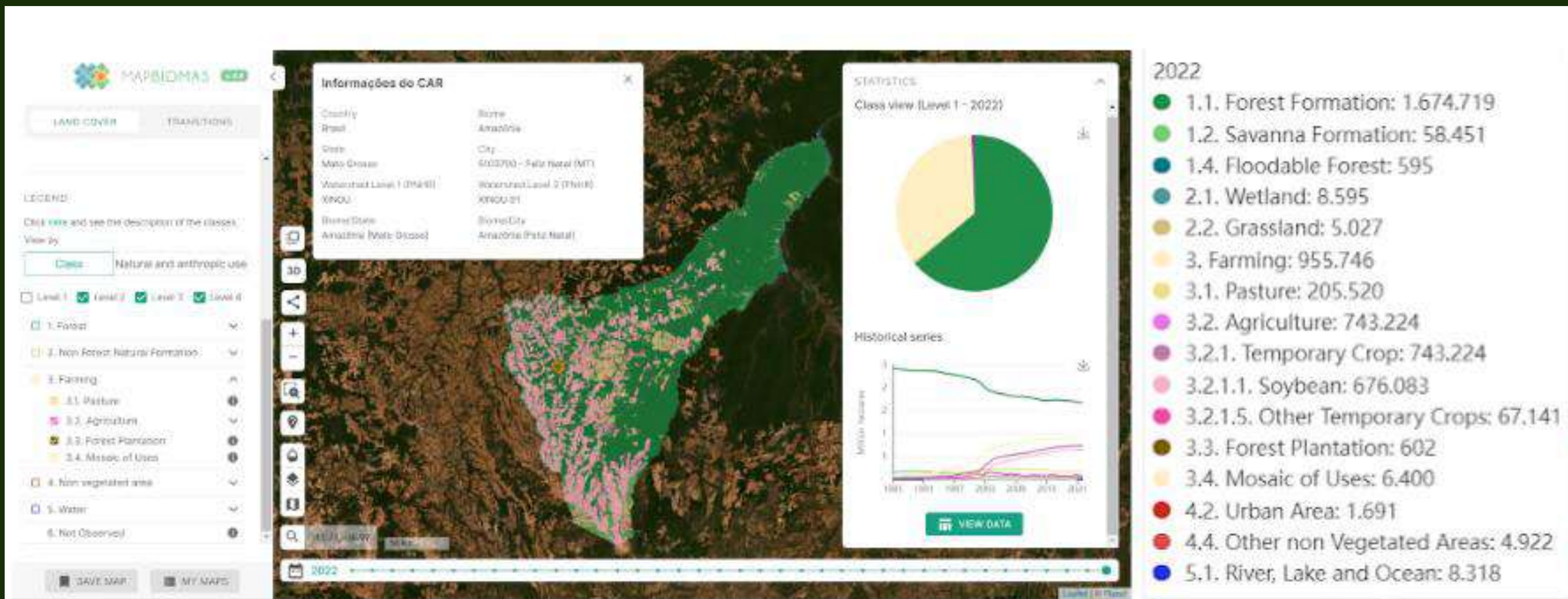




**Image .** Transitions from forest to agriculture/pasture from 2000-2022 in the farm's region, municipalities of Vera, Feliz Natal and Nova Ubiratã-MT (adapted from MAPBIOMAS, 2024).



**Image .** Historical soybean areas (676,083.00 ha in 2022) evolution in region of Vera, Feliz Natal and Nova Ubitatã-MT (adapted from MAPBIOMAS, 2024)

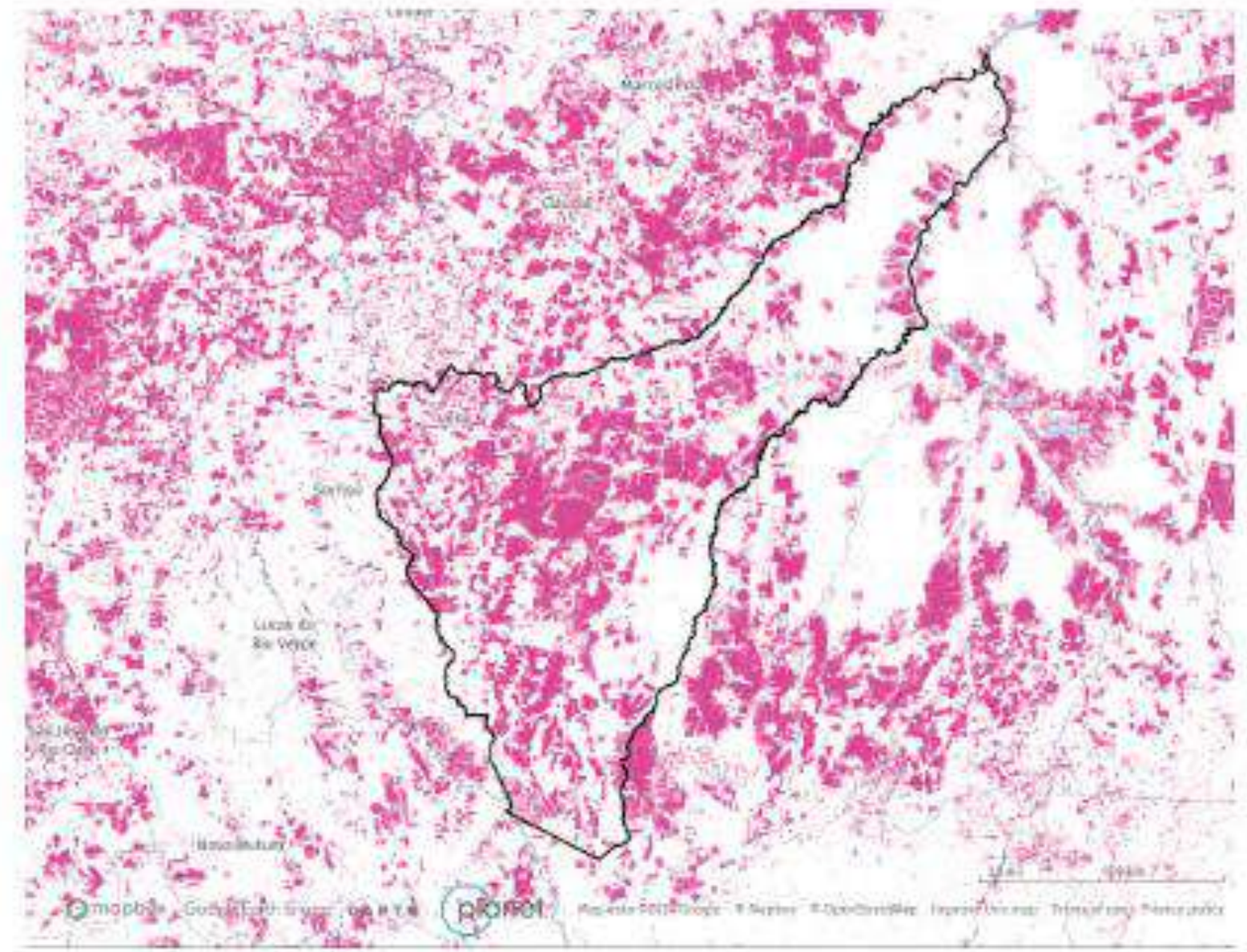


**Image .** Historical land use areas evolution in region of Vera, Feliz Natal and Nova Ubiratã-MT (adapted from MAPBIOMAS, 2024)



### TREE COVER LOSS IN AREA IN MATO GROSSO, BRAZIL

From 2001 to 2022, Area in Mato Grosso, Brazil lost 837 kha of tree cover, equivalent to a 35% decrease in tree cover since 2000.



**Image .** GFW Tree Cover Loss in Vera, Feliz Natal and Nova Ubiratã-MT region from 2000 to 2022 representing a decrease in native vegetation.



**Image .** MapBiomass Fire Collection v.2.0 reveals fire scars identified for annual burned coverage from 2012 to 2022 within Fazenda J. Crestani.



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Fazenda J. Crestani Conservation Project

## SOCIALCARBON STANDARD - CERTIFICATION BODY



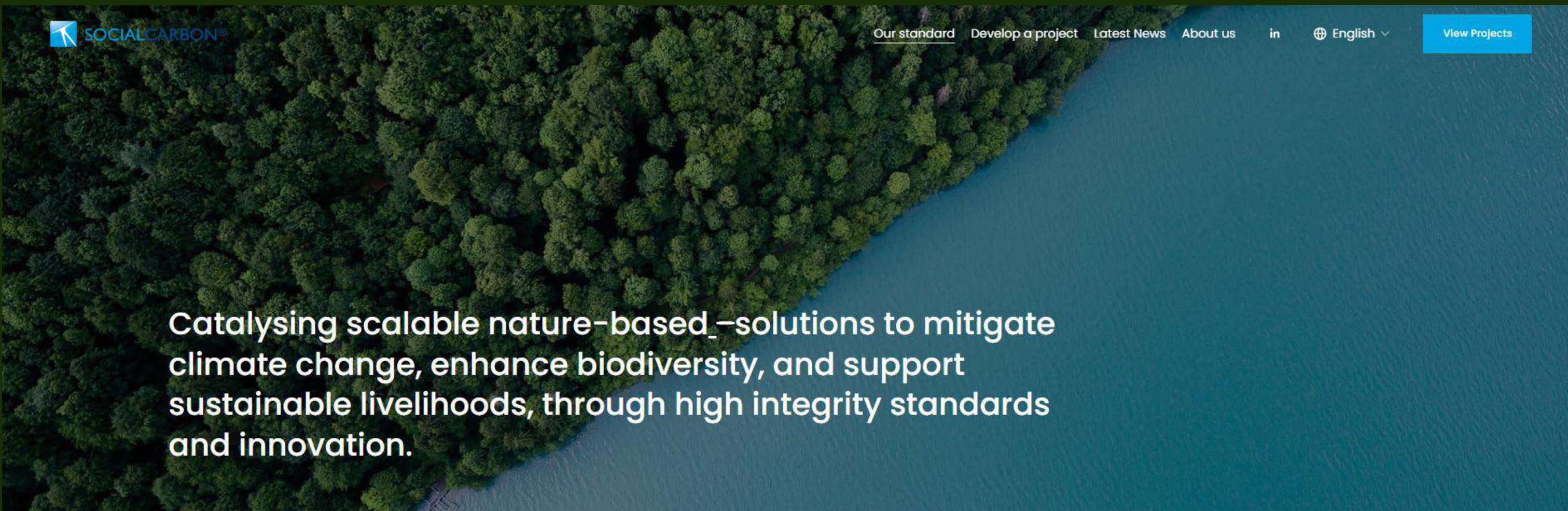
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Fazenda J. Crestani Conservation Project

# SOCIALCARBON STANDARD - CERTIFICATION BODY



## Accreditations



\*Pilot Phase

ICVCM - Pending



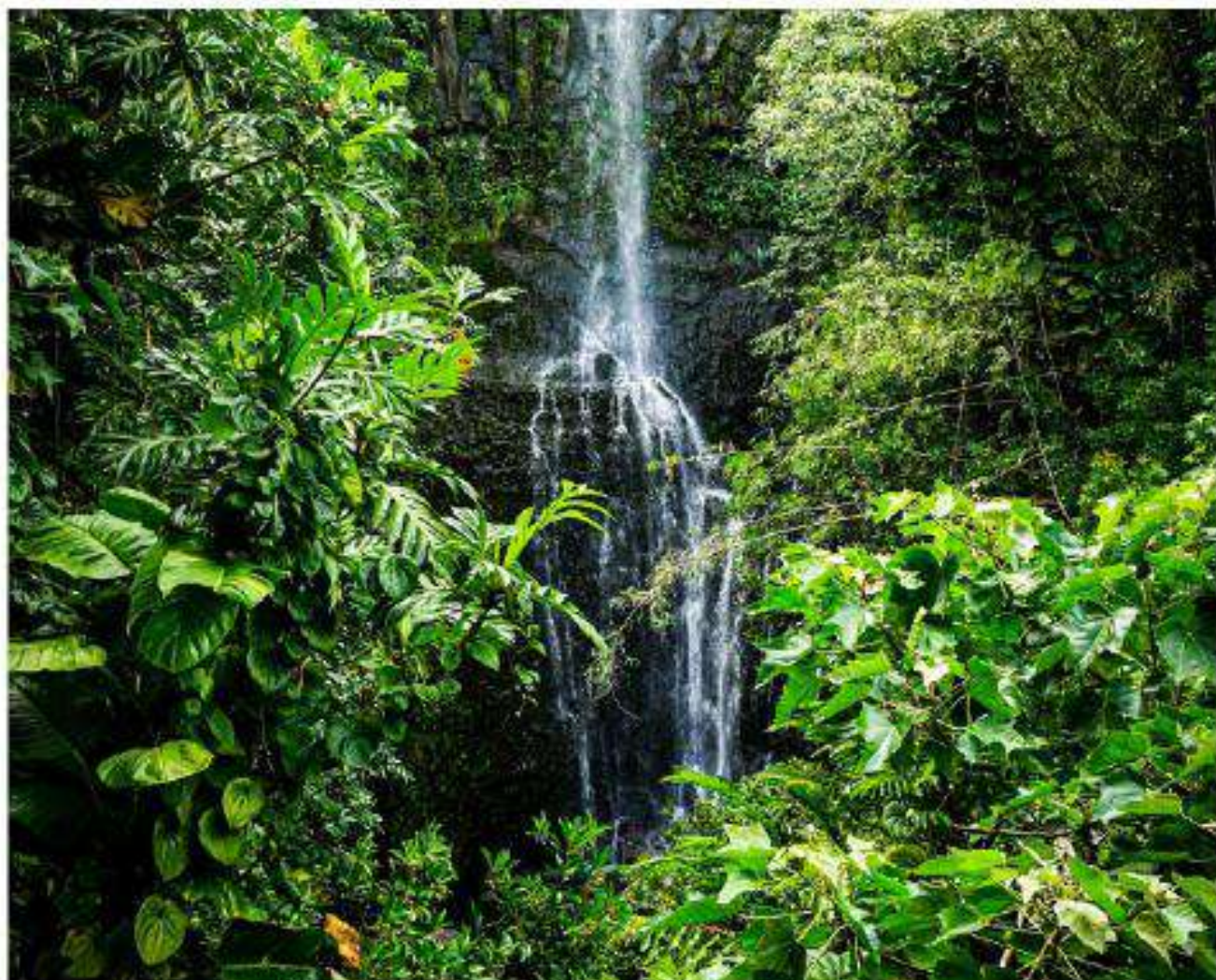
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Fazenda J. Crestani Conservation Project

## SCM0003: METHODOLOGY FOR CARBON REMOVALS IN PRIVATE CONSERVATION AREAS

CATEGORY: AFOLU - AGRICULTURE, FORESTRY AND OTHER LAND USE

SCOPE: 14 - AFFORESTATION, REFORESTATION AND REVEGETATION (ARR)



### SCM0003: Methodology for Carbon Removal in Private Conservation Areas

[View Methodology](#)

**Sectoral Scope:** Scope 14 - Afforestation and reforestation

**Status:** Live since 08/02/2023

**Methodology Developer:** JFC Environmental Assets Ltda

**VVB Reviewer:** Earthood Services Private Limited

**Modules / Key Sources:**

- CDM AR-AMS0007. Afforestation and reforestation project activities implemented on lands other than wetlands, v3.1
- Brazil's Ministry of Science and Technology (MCTI). Third National Communication of Brazil to the United Nations Framework Convention on Climate Change. Volume III. Brasilia: Ministry of Science, Technology and Innovation, 2016.
- [Feasibility Assessment Tool](#)
- [VVB Checklist](#)
- [VVB Assessment of Methodology](#)




## PROJECT START DATE

- Official project start: 30-September-2020 > invoices for products and equipments acquisition and also Notarial Minute
- Activities related to greenhouse gas (GHG) maintenance
- Agreements for adjustments and project submission for certification: 23 December 2022 > first contract with the landowner
  - Enhancement of GHG-related activities and inclusion of actions and monitoring focused on social, human, biodiversity, financial, natural, and carbon aspects.

## PROJECT START DATE

## Notarial Minute


  
 FEDERATIVE REPUBLIC OF BRAZIL  
 STATE OF MATO GROSSO  
 MUNICIPALITY AND DISTRICT OF MERRY CHRISTMAS  
 2ND OFFICE OFFICE

Notary of Notes and Protests of Commercial Titles and Official of the Civil Registry of Legal and Natural Entities  
 Fabiano Dualibi Baumgart  
 Notary

BOOK 001 SHEET 111

NOTARY MINUTES


On the twenty-eighth day of October of the year two thousand and twenty, in a notary's office located at Avenida Maravilha, nº 375, Centro, in Feliz Natal, State of Mato Grosso, I draw up these notarial minutes at the request of the applicant FERNANDO JOSE MAGGIONI, Brazilian, married, administrator, holder of CNH-DETRAN/MT No. 02825489683 issued on 24.05.2017, which contains Identity Document No. 15875083 SSP/MT and CPF No. 864.533.941-20, born on 10.08.1984, son of Luizinho Maggioni and Maria Elaine Maggioni, resident and domiciled at Avenida Magda de Cassia Pissinatti, nº 501, apartment 204, Bairro Residencial Florença, municipality of Sinop/MT, e-mail: not informed. Once I recognized the identity of the applicant through the documents presented to me, of whose identity and legal capacity I attest, he then requested, through an application, to this notary, that on 21.10.2020, at 7:30 am, he proceeded with the a notarial effort, on the property called FAZENDA J. CRESTANI, which they claim is owned by the legal entity Augusta Agropecuária LTDA. We began the journey, following the MT-225, for approximately 40 km, to the municipality of Vera/MT, where we continued for approximately 36 km to the Rio Tartaruga bridge, at which point we entered areas of the municipality of Feliz Natal/ MT, we continue for another 200 meters until we find Fazenda Agropecuária 3Y on the left and Fazenda J. Crestani and on the right, where we see the following sign:



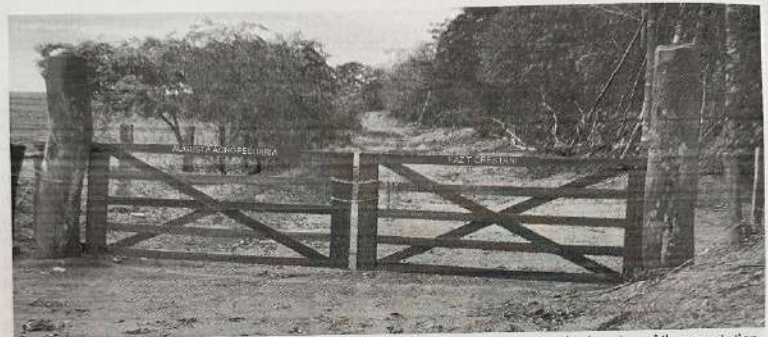
Firstly, we went to the house located in areas of the 3Y Agricultural Farm, where Mr. Rodrigo Telles lives, Brazilian, caretaker, holder of Identity Card RG nº 1994938-3 SESP/MT, registered with the CPF under nº 028.342.391-93, born on 04/18/1995, and in conversation with him, he informed me that he is a neighbor of the applicant's farm, which was the cause of the fire damage in those areas, given that he set fire to a certain amount of garbage, which expanded to vegetation, spreading to neighboring areas. At that moment, Mr. Rodrigo explained to me that to alleviate the situation, he needed the help of some people, and that despite all their efforts in fighting the fires, they were unable to prevent its spread. Soon after, I was led approximately 1.000 meters, to the entrance of J. Crestani Farm, as shown in the image below:

Fer


60 Av. Maravilha, 375- Centro - Feliz Natal/MT- CEP 78885-000. Phone/fax: (66)3585-1073.

  
 FEDERATIVE REPUBLIC OF BRAZIL  
 STATE OF MATO GROSSO  
 MUNICIPALITY AND DISTRICT OF MERRY CHRISTMAS  
 2ND OFFICE NOTARY OFFICE

Notary of Notes and Protests of Commercial Titles and Official of the Civil Registry of Legal and Natural Entities  
 Fabiano Dualibi Baumgart  
 Notary




As we entered through the gate, I saw that the environmental damage caused by the burning of the vegetation was evident. I could see the dry and burnt trees, as shown in the images below:



During the investigation, at Fazenda J. Crestani, Mr. Fernando Jose Maggioni, declared and informed that he is not responsible for the environmental damage caused in his area. He became aware of what happened on 08/08/2020 at 07:00, through a telephone call, where he was informed that his farm was on fire and that it had already expanded to close to the turtle river. When he arrived at the scene, the fire was already controlled by the neighbors, who used machines to contain it, creating firebreaks around the vegetation. That on 09/08/2020 at 1:39 pm he registered a Police Report no. 2020.212715 prepared by Edson Pereira Liz, reporting what happened. Even though the fire was controlled, he received another call on 29.08.2020 at 2pm from Mr. Aylon, a neighbor of the property, reporting that the fire had returned at the back of the applicant's farm. He was only able to go to the location around 4:30 pm, where he observed that there were still some fires. He managed to mitigate the fire with the help of friends who had treadmills and machines to make firebreaks around the property and also where the embers were burning. Who believes that the fire has resurfaced from the first fire. That on 09/08/2020 at 1:46 pm, he registered the second Police Report no. 2020.212725 prepared by Edson Pereira Liz. On September 6, 2020, he was informed for the third time that the fire had returned to his property. That the fire came from some area located behind the turtle river, however, is unknown. The next day, he contacted a team of people to help him control the fire. More than 5,000 meters of firebreak were made, however, the fire was not completely contained. The fire was only partially controlled on 09/18/2020 after a lot of effort by the team with the help of machinery. A third Incident Report n. 2020.227972 prepared by Leandro Carlo da Silva Faria. At the request of the applicant, the following is an image of the SIM-CAR plant at Fazenda J. Crestani, measuring 1,853,3648 ha, referring to the area affected by the fire:

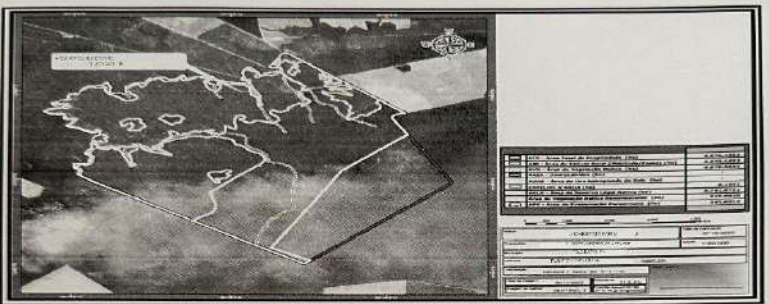
Av. Maravilha, 375- Centro - Feliz Natal/MT- CEP 78885-000. Phone/fax: (66)3585-1073.

Fer

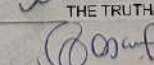
  
 FEDERATIVE REPUBLIC OF BRAZIL  
 STATE OF MATO GROSSO  
 MUNICIPALITY AND DISTRICT OF MERRY CHRISTMAS  
 2ND OFFICE NOTARY OFFICE

Notary of Notes and Protests of Commercial Titles and Official of the Civil Registry of Legal and Natural Entities  
 Fabiano Dualibi Baumgart  
 Notary

BOOK 001 SHEET 112



After these findings, the applicant was informed by the Forestry Engineering Office of engineer Mr. Renato Olivir Basso, through Mr. Elizandro, responsible for the projects and mapping, that it was possible to delimit, using satellite images, a probable area in which the fire spread. In addition to the demarcation corresponding to the area in which the fire spread, it was also possible to verify, without a specific date, probable timber extraction in the areas. He believes that the possible theft may have occurred during visits he makes every 15 days to his property, to check the boundaries, maintain the roads and other precautions. That there are no concrete suspects who may have committed the possible thefts. After this situation, on September 30, 2020, they began construction of the property's gate, with the intention of preventing future wood theft. DOCUMENTS PRESENTED AND FILED I received, checked and certify - the presentation of the following documents, which are filed in these notes: 1) Identification documents of the indicated parties: applicant and witness; 2) Registration No. 2,579 of Book No. 02 of the CRI of Feliz Natal/MT; 3) Police Report No. 2020.212715 communicated on 09/08/2020 at 1:39 pm, prepared by Edson Pereira Liz; Incident Report nº 2020.212725 communicated on 09/08/2020 at 1:46 pm, prepared by Edson Pereira Liz and Incident Report nº 2020.227972 communicated on 09/23/2020 at 10:45 am, prepared by Leandro Carlo da Silva Faria; 4) ITR declaration of Fazenda J. Crestani, NIRF 3.238.267-7, fiscal year 2020, with value of taxable bare land of R\$ 7,270,098.00 (seven million two hundred and seventy thousand and ninety-eight reais); and 5) SIM-CAR Property Plan measuring the area affected by the fire. Having made these observations and answered the questions asked, I concluded the investigation. The photographs that form an integral part of this act were taken by me, Interim Officer, Fabiano Dualibi Baumgart, in view of the instructions of the Applicant who is responsible for the veracity of the facts verified by me, having been warned of the civil and criminal consequences of any actions undertaken with the aim of altering the reality of the facts, a certified copy of which is archived in this office. I, Fabiano Dualibi Baumgart, drew up, read and close this act, obtaining the signature of Mr. Fernando Jose Maggioni, I attest and sign it. Fees R\$ 4,474.70. Digital Stamp: BMP 26548. Merry Christmas/MT, October 28, 2020/

**Fernando Jose Maggioni**  
 Fernando Jose Maggioni  
 NA 930  
 IN TESTE // THE TRUTH//  
  
 Fabiano Dualibi Baumgart  
 Notary  
 Carla A. Debastiani Tonello  
 Writer

Av. Maravilha, 375- Centro - Feliz Natal/MT- CEP 78885-000. Phone/fax: (66)3585-1073.



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Fazenda J. Crestani Conservation Project

## PROJECT PERIOD AND MONITORING

- Crediting period: 30-September-2020 > 29 –September-2030.
- Renewable up to 100 years.
- First monitoring (MR-1): 30-September-2020 > 31-December-2023.
- Issuance of 2020, 2021, 2022 and 2023.



VERT ECOTECH

# Fazenda J. Crestani Conservation Project



## SOCIALCARBON®

### Fazenda J. Crestani Conservation Project 1<sup>st</sup> Monitoring Report



vertecotech

Document Prepared by Vert Ecotech S/A

<b>Project Title</b>	Fazenda J. Crestani Conservation Project
<b>Version</b>	6.0
<b>Project ID</b>	SOCIALCARBON-4
<b>Date of Issue</b>	25-04-2025
<b>Monitoring Period</b>	30-September-2020 to 31-December-2023
<b>SOCIALCARBON Standard Version</b>	6.1
<b>Prepared By</b>	Vert Ecotech S/A
<b>Contact</b>	Av. José Rocha Bomfim, 214 (room 131, 132 – Ed. Frankfurt), Jardim Santa Genebra, Campinas, São Paulo, Brazil. +55 (19) 97406-1426 jardini@vertecotech.com <a href="http://www.vertecotech.io">http://www.vertecotech.io</a>

**PROJECT ACTIVITIES**

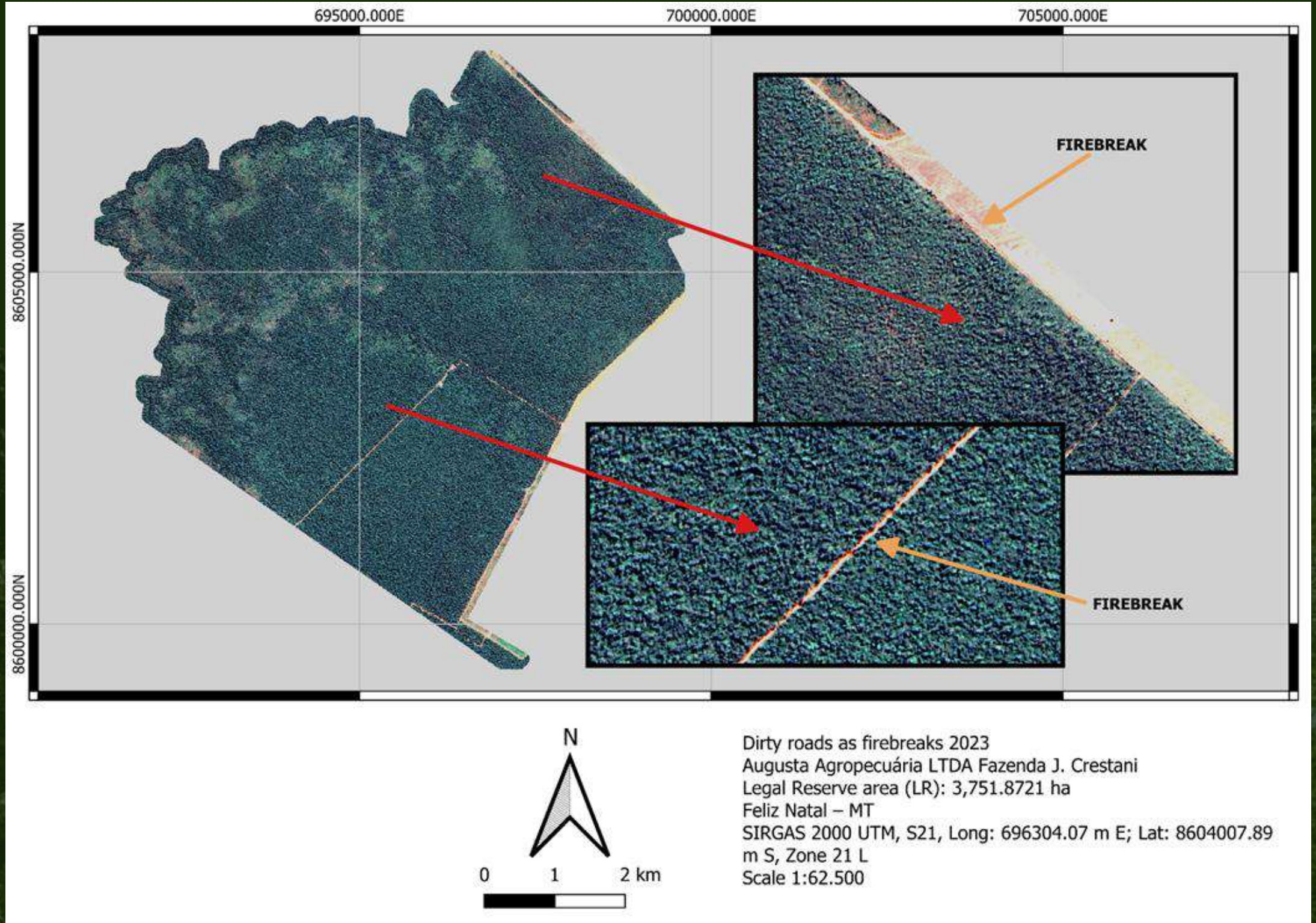
Implementation and maintenance of firebreaks and fences



**Image 3.1-6:** Example of fence conformity within Fazenda J. Crestani perimeter and Legal Reserves (Author records, 2020)

# PROJECT ACTIVITIES

## Implementation and maintenance of firebreaks and fences



**PROJECT ACTIVITIES**

Local fire prevention measures - vehicles



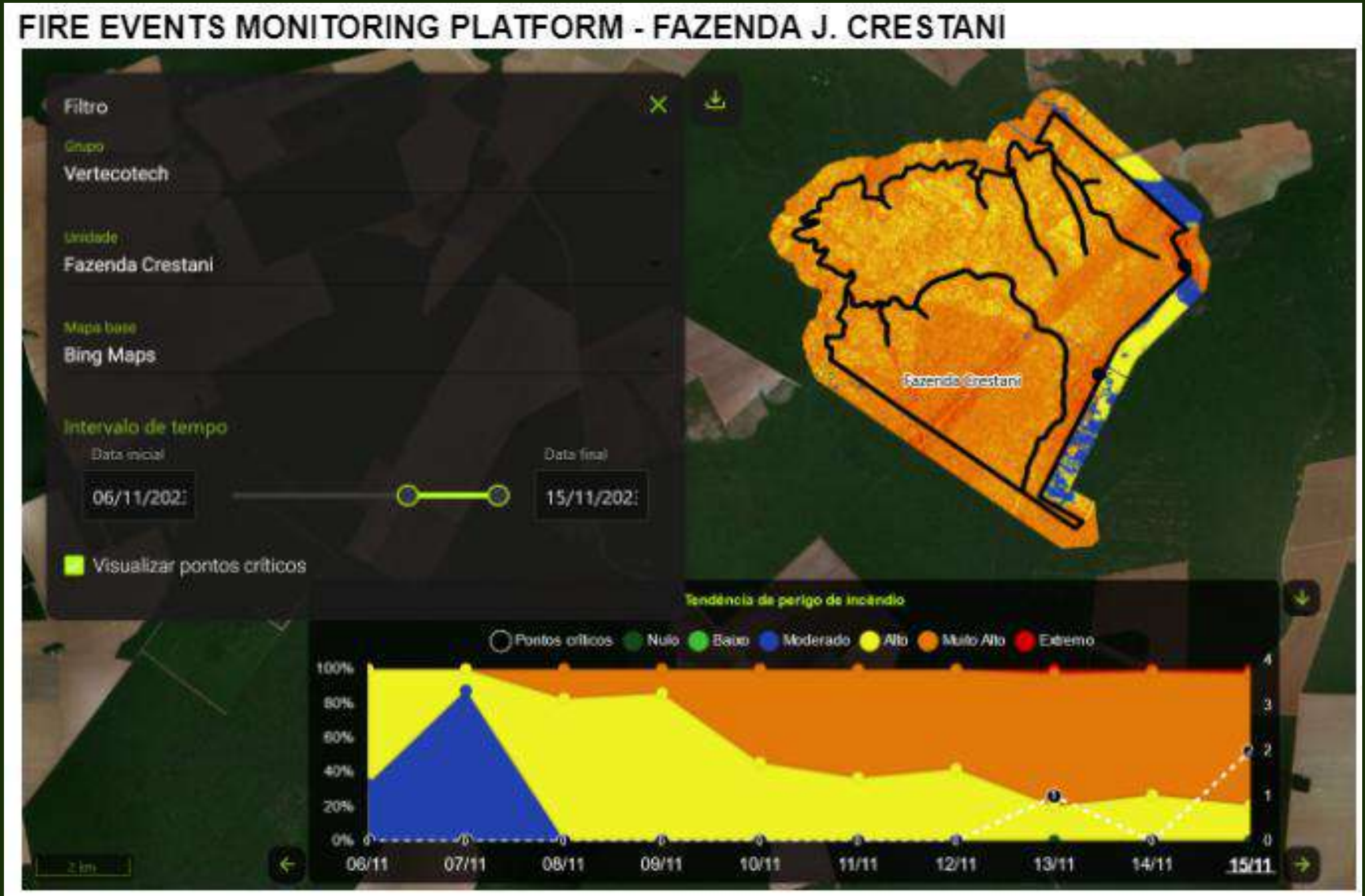
**PROJECT ACTIVITIES**

Local fire prevention measures – Personal Protection Equipment - PPE



PROJECT ACTIVITIES

Remote monitoring - fire and deforestation



# PROJECT ACTIVITIES

## Remote monitoring - fire and deforestation



NASA FIRMS  
Fire Information for Resource Management System

Quick Search Announcements Feedback

Lat: -12.661°, Lon: -55.159° FIRES: 2025-04-24 (24HRS)

BASIC MODE

TODAY 24HRS 7DAYS 24HRS  
From [Yesterday 00:00:00 UTC] to present

Fires / Hotspots

Simple Time Based

- Landsat [30m]
- VIIRS (S-NPP, NOAA-20 & NOAA-21) [375m]
- MODIS (Aqua & Terra) [1km]

Overlays

Dynamic Imagery

- VIIRS NOAA-20 Corrected Reflectance (true color)
- VIIRS NOAA-21 Corrected Reflectance (true color)
- VIIRS S-NPP Corrected Reflectance (true color)
- MODIS/Aqua Corrected Reflectance (true color)
- MODIS/Terra Corrected Reflectance (true color)

MEASURE LOCATION LAYERS TIMELINE CAPTURE SHARE HELP VIEW MODE

2 km  
5000 ft

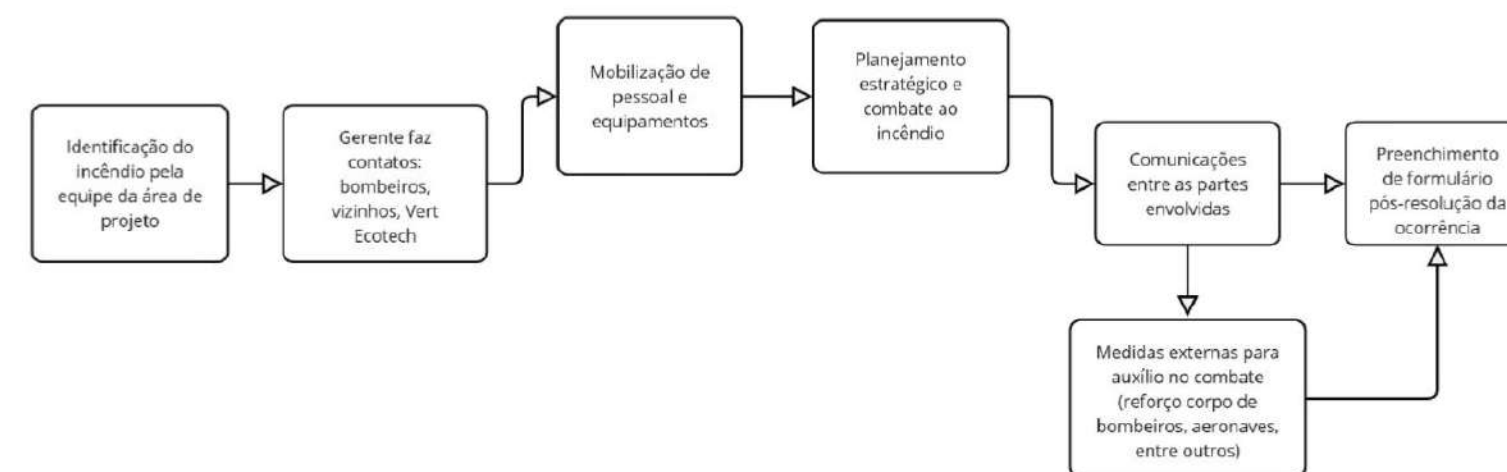


## PLANO DE ATENDIMENTO A EMERGÊNCIAS – FOGO E DESMATAMENTO – FAZENDA J. CRESTANI

### 1. INTRODUÇÃO

Este documento trata dos procedimentos relacionados à prevenção, controle e mitigação de ocorrências nos âmbitos de fogos e queimadas nas áreas do projeto de conservação “Fazenda J. Crestani Conservation Project”, listado na plataforma WilderEarth em 2023 como projeto de créditos de carbono no âmbito do mercado voluntário de carbono, por meio da certificadora SocialCarbon. Este documento visa vigorar durante o monitoramento do projeto, com início em 2023, e está diretamente associado ao documento de análise de riscos do projeto “Fazenda J. Crestani Risk Management – Conservation Area”, desenvolvido no âmbito da validação do projeto. Espera-se, com o andamento dos monitoramentos e ações, que o mesmo venha a ser atualizado no sentido de aprimoramento de medidas preventivas, de controle e

4.1 Fluxograma Identificação de Incêndio



PROJECT ACTIVITIES

Local monitoring - Signs



**PROJECT ACTIVITIES**

Local monitoring - drone



PROJECT ACTIVITIES

Biodiversity monitoring – fauna – camera trap



## PROJECT ACTIVITIES

### Biodiversity monitoring – fauna

No	Popular Name	Scientific Name	Extinction Risk (IUCN)	Origin	Documented Register
1	Anta	<i>Tapirus terrestris</i>	Vulnerable	Native	X
2	Cachorro-do-mato	<i>Cerdocyon thous</i>	Least concern	Native	X
3	Ema	<i>Rhea americana</i>	Near threatened	Native	X
4	Gato mourisco	<i>Herpailurus yagouaroundi</i>	Least concern	Native	X
5	Gavião preto	<i>Urubitinga urubitinga</i>	Data Deficient	Native	X
6	Harpia	<i>Harpia harpyja</i>	Vulnerable	Native	
7	Jacamim de costas verde	<i>Psophia viridis</i>	Vulnerable	Native	X
8	Jacupemba	<i>Penelope superciliaris</i>	Least concern	Native	X
9	Jaguatirica	<i>Leopardus pardalis</i>	Least concern	Native	X
10	Mutum-cavalo	<i>Mitu tuberosum</i>	Near threatened	Native	X
11	Onça pintada	<i>Panthera onca</i>	Near threatened	Native	X
12	Onça-parda	<i>Puma concolor</i>	Least concern	Native	X
13	Paca	<i>Cuniculus paca</i>	Least concern	Native	X
14	Queixada	<i>Tayassu pecari</i>	Vulnerable	Native	X
15	Tamanduá-bandeira	<i>Myrmecophaga tridactyla</i>	Vulnerable	Native	X
16	Tatu galinha	<i>Dasyus novemcinctus</i>	Least concern	Native	X
17	Tatu-peba	<i>Euphractus sexcinctus</i>	Least concern	Native	X
18	Veado mateiro	<i>Mazama americana</i>	Data Deficient	Native	X
Source: camera trap, technical visits, technical sightings, site local sighting surveys, literature					

**PROJECT ACTIVITIES**

Biodiversity monitoring – fauna – footprints and seeing



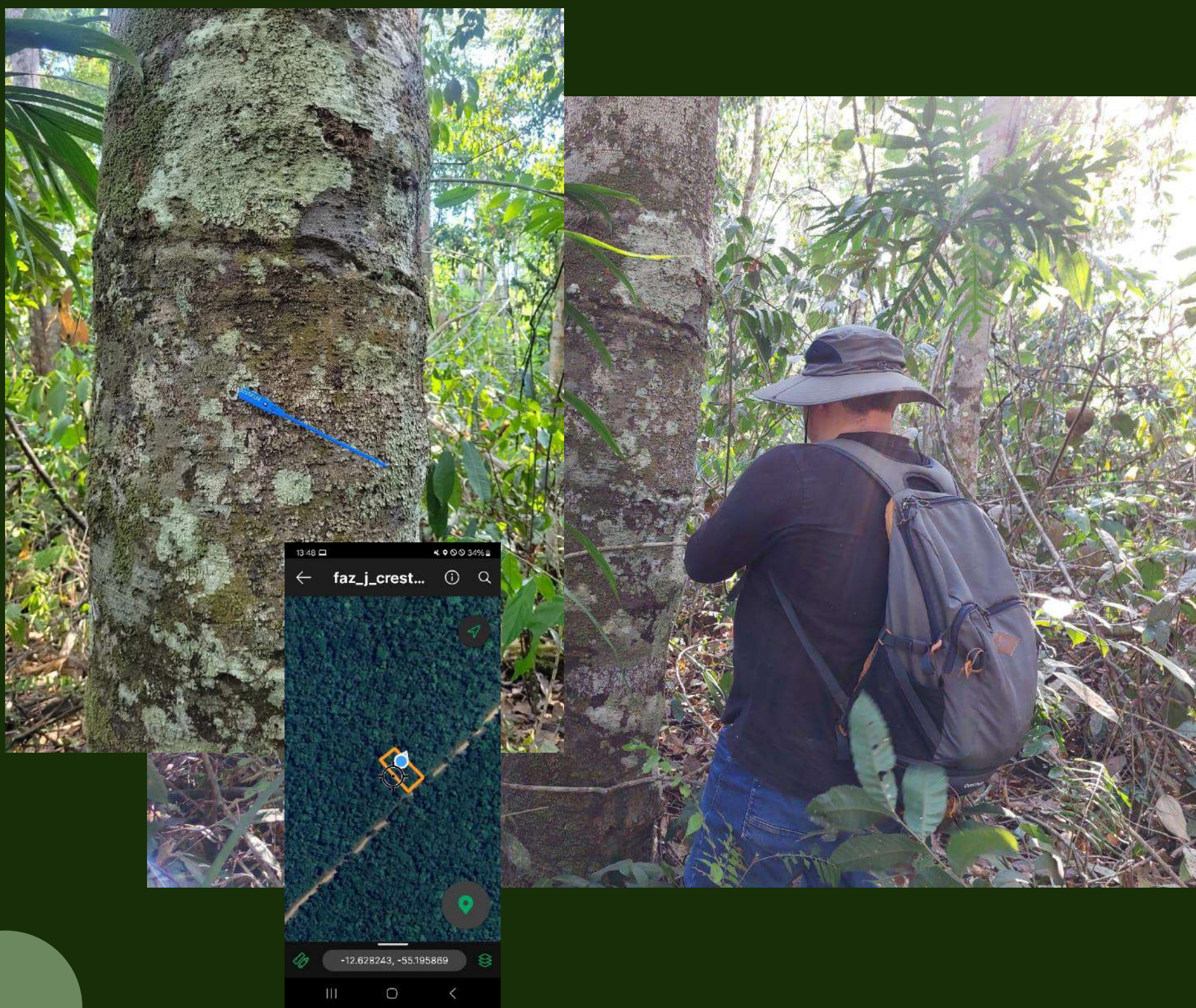
TAPIR (*TAPIRUS TERRESTRIS*) FOOTPRINT. SOURCE: VERT ECOTECH (2023)



EMAS (*RHEA AMERICANA*). SOURCE: VERT ECOTECH (2023)

# PROJECT ACTIVITIES

## Biodiversity monitoring – flora



Nome Comum	Nome científico *	Serrarias (%)
Amescla/Morcegueira	<i>Trattinickia burseraefolia</i> (Mart.) Wild	27,5
Angelim Pedra	<i>Hymenolobium modestum</i> Ducke	32,5
Angelim Saia	<i>Parkia pendula</i> (Willd.) Benth. ex Walp	5,0
Angelim/Angelim Amargoso	<i>Vatairea</i> sp.	10,0
Breu/ Amescla aroeira	<i>Trattinickia</i> sp.	5,0
Cambará	<i>Qualea paraensis</i>	70,0
Canelão	<i>Ocotea</i> sp.	30,0
Caroba	<i>Jacaranda copaia</i> (Aubl.) D. Don	2,5
Catuaba/ Maria preta	<i>Qualea</i> sp.	7,5
Cedrinho	<i>Erismia uncinatum</i> Warm.	55,0
Cedro	<i>Cedrela</i> sp.	22,5
Cedro Amazonense	<i>Cedrela odorata</i> L.	2,5
Cedro Boleiro	<i>Juniperus</i> sp.	2,5
Cedro Rosa	<i>Cedrela fissilis</i>	5,0
Champanhe/Cumarú	<i>Dipteryx odorata</i> (Aubl.) Wild	40,0
Copaiba	<i>Copaifera multijuga</i> Hayne	2,5
Cupiúba/ Peróba Fedida/ Vinagreiro	<i>Golpia glabra</i> Aubl.	35,0
Escova de Macaco	<i>Apeiba echinata</i> Gaertn	2,5
Faveira	<i>Dinizia excelsa</i> Ducke	2,5
Garapeira	<i>Apuleia leiocarpa</i>	37,5
Guanandi	<i>Calophyllum brasiliensis</i> Cambess.	2,5
Guaritá	<i>Astronium</i> sp.	5,0
Itaúba	<i>Mezilaurus itauba</i> (Meisn.) Taub.Ex Mez	37,5
Jatobá	<i>Hymenaea courbaril</i> L.	15,0
Jequitibá	<i>Cariniana</i> sp.	5,0
Leiteiro	<i>Brosimum lactescens</i> (S. Moore) C. C. Berg	2,5
Marupá	<i>Simarouba amara</i>	2,5
Mirindiba	<i>Buchenavia</i> sp.	2,5
Oiticica	<i>Clarisa racemosa</i>	7,5
Paricá	<i>Schizolobium amazonicum</i>	2,5
Peróba	<i>Aspidosperma sandwithianum</i> Markgr.	15,0
Peróba d'água	<i>Aspidosperma pachypterum</i> Müll Arg	2,5
Peróba Mica/ Peróba Amarela	<i>Aspidosperma polyneuron</i>	7,5
Sucupira Amarela	<i>Enterolobium schomburgkii</i> (Benth.) Benth.	7,5
Sucupira Preta	<i>Diploptropis</i> sp.	12,5
Tachi	<i>Sclerolobium</i> sp.	2,5
Tamboril	<i>Enterolobium contortisiliquum</i>	2,5
Tatajuba	<i>Chlorophora tinctoria</i>	7,5
Tauari	<i>Couratari</i> sp.	10,0
Uxirana	<i>Couepia paraenses</i>	2,5



## PROJECT SAFEGUARDS

CRITERION	DESCRIPTION
Human Rights	Respect human rights and avoid discrimination.
Gender Equality	Ensure fair treatment between men and women.
Health and Safety	Must not pose risks to the health of the community and workers.
Land Tenure	The project must have legal rights over the area and respect its impacts.
Indigenous Peoples	Respect the rights of indigenous peoples over their lands.
Corruption	Must not be involved in any form of corruption.
Labour Rights	No forced or child labour, must comply with labour laws.
Financial Sustainability	Must ensure sufficient resources for financial maintenance.
Climate	Must not increase gas emissions beyond the permitted levels.
Natural Resources	Protect water, soil, and maintain biodiversity.
Pollution	Avoid pollution and implement measures to control impacts.



## STAKEHOLDERS

- AUGUSTA AGROPECUARIA LTDA (Owner of Fazenda J. Crestani); - Mr. Fernando José Maggioni is the farm administrator
- Neighbour employees and owners (neighbour headquarters) Fazenda Palmasola, Fazenda Asa Branca and Fazenda Romão;
- NGO Instituto Homem Pantaneiro (IHP);
- SEMA-MT (Mato Grosso State Environmental Department);
- Mato Grosso Military Fire Brigade.



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# STAKEHOLDERS

## Community - Local Stakeholders

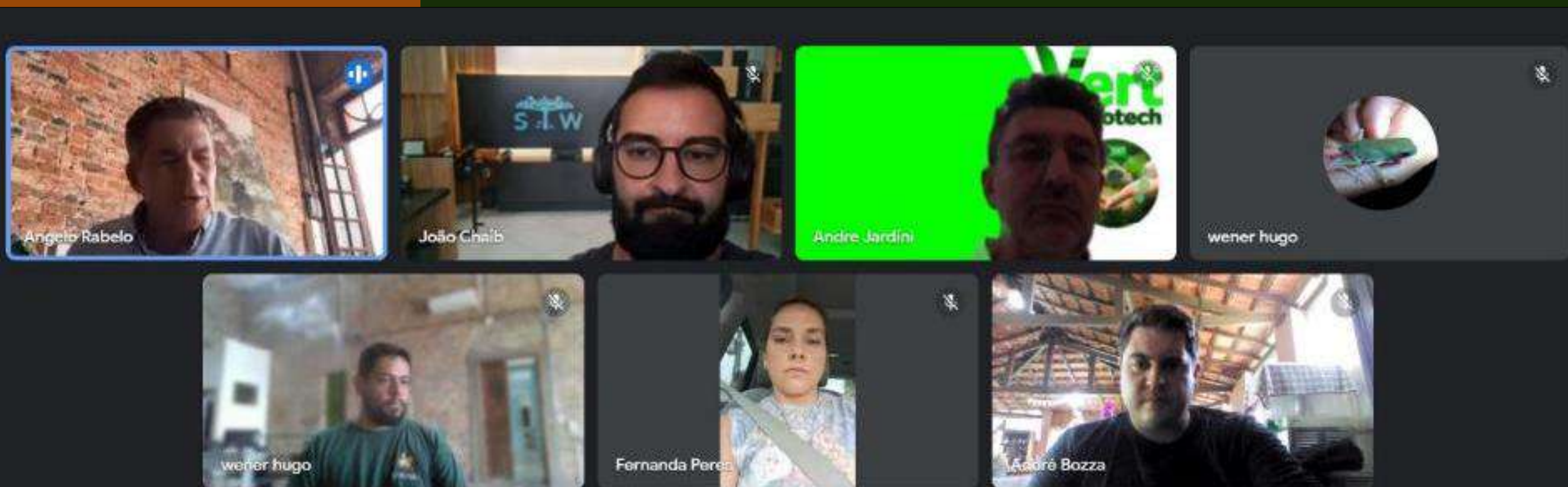


## STAKEHOLDERS

NGO Instituto Homem Pantaneiro (IHP)



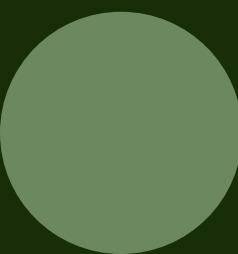
INSTITUTO HOMEM  
PANTANEIRO



Português (

A

Angelo Rabelo  
logicamente nós estamos trabalhando com outras possibilidades também que tá muito interessante que se chama saberes Pantaneiro que é trazer para os mais jovens questões, como tocar o berrante fazer laço coisas que são significativas para possibilidade





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# STAKEHOLDERS

Mato Grosso Military Fire Brigade



## STAKEHOLDERS

## Communication Channels / Grievance

- Periodically Online and in loco meetings;
- Phone/Whatsapp;
- E-mail;
- Website
- Other Open channels

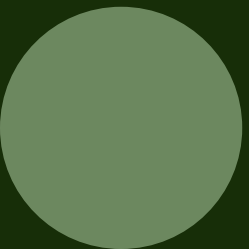
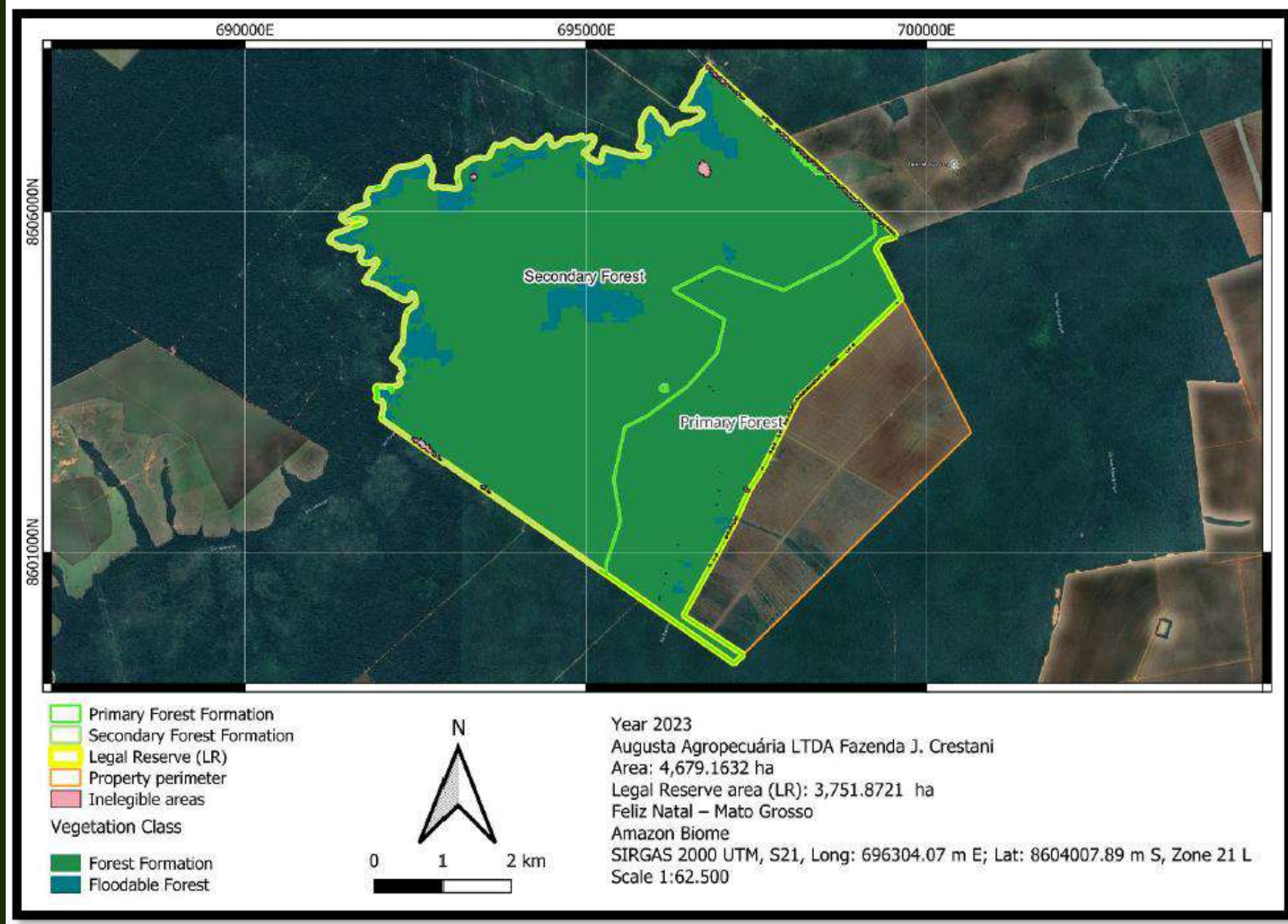




# CARBON QUANTIFICATION



Vegetation class	AI <sup>c</sup> (tC/ha)	A (ha)	RV <sub>2023</sub> (ton CO <sub>2</sub> e/year)
Primary Floodable Forest - Amazon	0.43	5.586	8
Primary Forest formation - Amazon	0.43	993.968	1,567
Secondary Floodable Forest - Amazon	4.96	296.377	5,390
Secondary Forest formation - Amazon	4.96	2,445.653	44,478
TOTAL eligible project area		3,741.585	-
<b>PR<sub>2023</sub></b>			<b>51,443</b>



# CARBON QUANTIFICATION

## 5.4 Net GHG emission reductions and removals

Year	Baseline emissions or removals (tCO <sub>2</sub> e)	Project emissions or removals (tCO <sub>2</sub> e)	Leakage emissions (tCO <sub>2</sub> e)	Net GHG emission reductions or removals (tCO <sub>2</sub> e)	Buffer allocation (tCO <sub>2</sub> e)	SCUs eligible for Issuance
2020 (30-September to 31-December)	0	12,975	0	10,121	2,855	10,121
2021	0	51,354	0	40,056	11,298	40,056
2022	0	51,347	0	40,051	11,296	40,051
2023	0	51,443	0	40,126	11,317	40,126
<b>Total</b>	<b>0</b>	<b>167,119</b>	<b>0</b>	<b>130,353</b>	<b>36,766</b>	<b>130,353</b>

## PROJECT INDICATORS

ASPECT	INDICATOR
Social	S-002 Communication with Stakeholders
Social	S-007 Assistance to Indigenous/Traditional Populations
Social	S-012 Social Impact
Social	S-014 Social Research
Social	S-019 Inclusion of Women
Human	H-004 Education and Community Training
Human	H-008 Equipment and Infrastructure
Human	H-010 Community Health
Human	H-011 Worker Health and Safety
Human	H-022 Research Incentive
Financial	F-003 Alternative Income Sources
Financial	F-006 Competitive Advantage
Financial	F-008 Economic Viability
Natural	N-009 Farm Environmental Compliance
Natural	N-010 Environmental Impacts
Natural	N-016 Monitoring Methods
Biodiversity	B-003 Biodiversity Monitoring
Biodiversity	B-004 Biodiversity Research
Biodiversity	B-006 Local Information on Fauna & Flora
Carbon	C-003 Alignment with UN SDGs
Carbon	C-004 Impact Communication Strategies
Carbon	C-008 Project Performance



# PROJECT INDICATORS

<b>Indicator</b>	N-009 Environmental compliance of the farm				
<b>Description</b>	Evaluates structured/certified environmental management initiatives and systems regarding waste, water, air, soil, energy and nature conservation management.				
<b>Situation</b>	In accordance with the documentation presented as annexes of this project, the property has environmental infractions that is solved and finished by the government oversight bodies, and it does not interfere with conservation units or indigenous lands. Furthermore, the current activities on the farm comply with the prevailing environmental regulations for the Mato Grosso State, as stipulated by Mato Grosso State Decree 1,160/2021 that creates the "CARBON NEUTRAL MT" Program and establishes the Action Plan for the Prevention and Control of Deforestation and Forest Fires in the State of Mato Grosso, and also in compliance with the Forest Code, as detailed in Section 1.14 of the PDD v.12.				
The farm does not have environmental management documents. The Proponent does not know how to comply with existing regulation and has no interest in doing so.	The farm has environmental management documents, but there are disorganized and/or missing documents (such as an active RER).	The farm has environmental management documents and its documents are organized, but with some expired documents	<b>In addition to the previous scenario, the farm manages the documents properly and all are active and valid.</b>	In addition to the previous scenario, there is one or more people formally in charge of managing the environmental compliance of the farm.	In addition to the previous scenario, the farm has active/valid certification that attests to good environmental conditions.
<b>Score</b>	4				
<b>Prospects</b>	The project aims to enhance the management of environmental documents related to this indicator, as well as to obtain specific certifications for the farm, attesting to good environmental practices across all its activities.				
<b>SDG Contributions</b>	13 – Climate Action, Target: 13.3, Indicator: 13.3.1 15 – Life on Land, Target: 15.2				
<b>Rationale</b>	Compliance with environmental legislation by this farm contributes by reducing greenhouse gas emissions, promoting carbon sequestration, as well as conserving forests, protecting biodiversity, managing soil sustainably, restoring degraded areas, and using natural resources sustainably.				

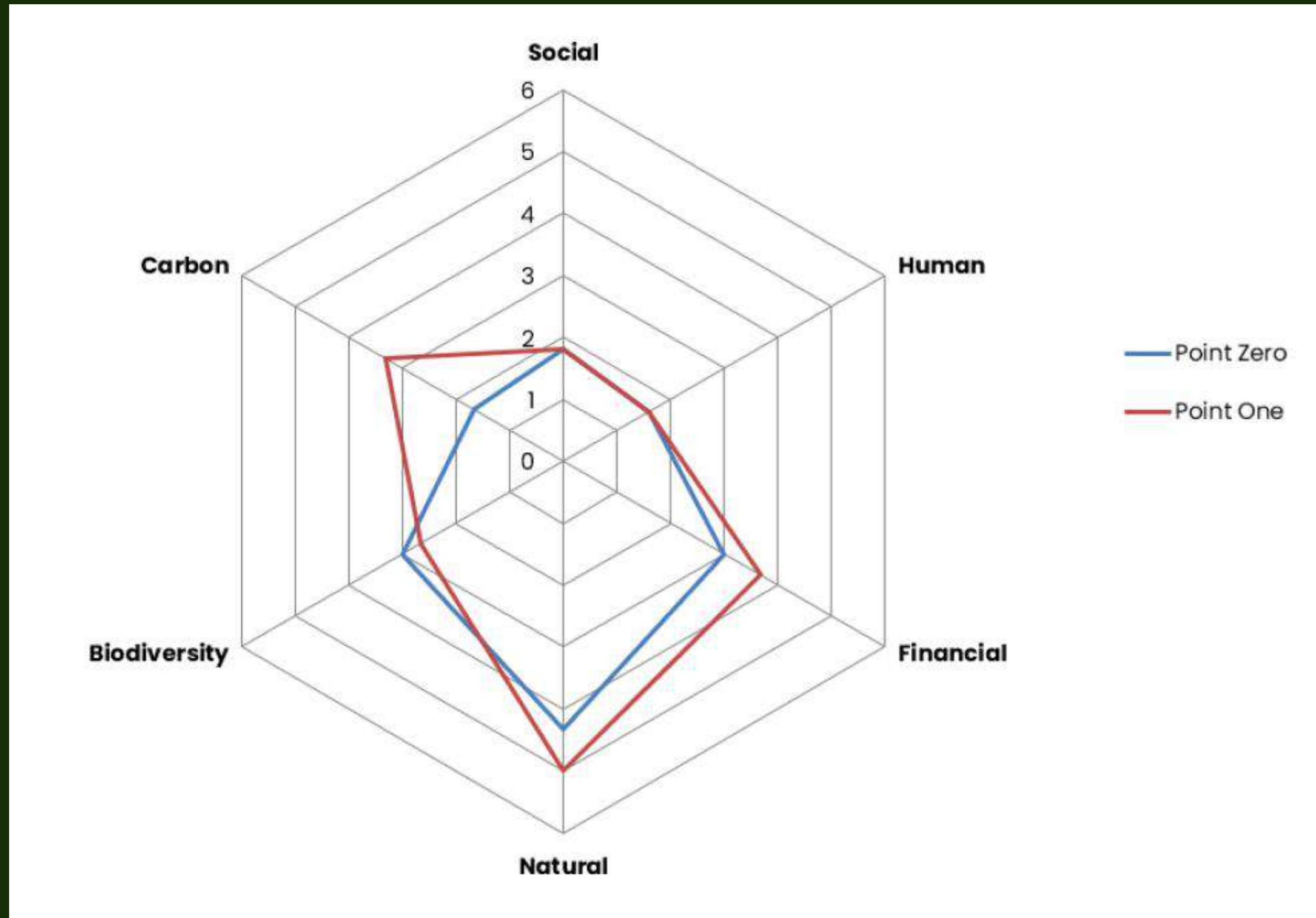
<b>Indicator</b>	S-002 Communication with stakeholders				
<b>Description</b>	Evaluates the process for contacting stakeholders in the planning, implementation and operation stages. The main stakeholder is Fazenda Palmasola, Stakeholders that should be identified and involved in the consultation process: - local institutions and NGOs - local team responsible for coordinating the implementation additional programs - local public agencies and municipalities.				
<b>Situation</b>	Stakeholders were communicated about the project, as described and detailed in Section 2, in order to meet the premises of the SocialCarbon standard.				
There is no communication with local stakeholders	Some consultations were held, but with some gaps and they did not fulfil legal obligations of the SOCIALCARBON Standard's minimal requirements	<b>Fulfilment of legal obligations only and obligations of the SOCIALCARBON Standard</b>	Additional consultation process was held to assess the local needs and/or to present the carbon project to the local stakeholders	Permanent feedback opportunity to stakeholders involved	Existence of a systematic and permanent approach for communicating with stakeholders, such as creation of specific forums, groups or committees
<b>Score</b>	3				
<b>Prospects</b>	To develop permanent and systematic communication with all those involved in the project, building possible interfaces with similar communication networks so that feedback may be used by other related projects or project proponents				
<b>SDG Contributions</b>	8 – Decent work and economic growth, Target: 8.8, Indicator: 8.8.2 10 – Reduce inequalities, Target: 10.2, Indicator: 10.2.1				
<b>Rationale</b>	Communication with stakeholders can create jobs, training, and promote inclusive economic growth, ensuring shared benefits for local communities. The projects can maximize positive impacts and develop sustainably, ensuring participation, transparency, and fair distribution of				



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# PROJECT INDICATORS



**RELEVANT FINDINGS**

N-010 Environmental Impacts

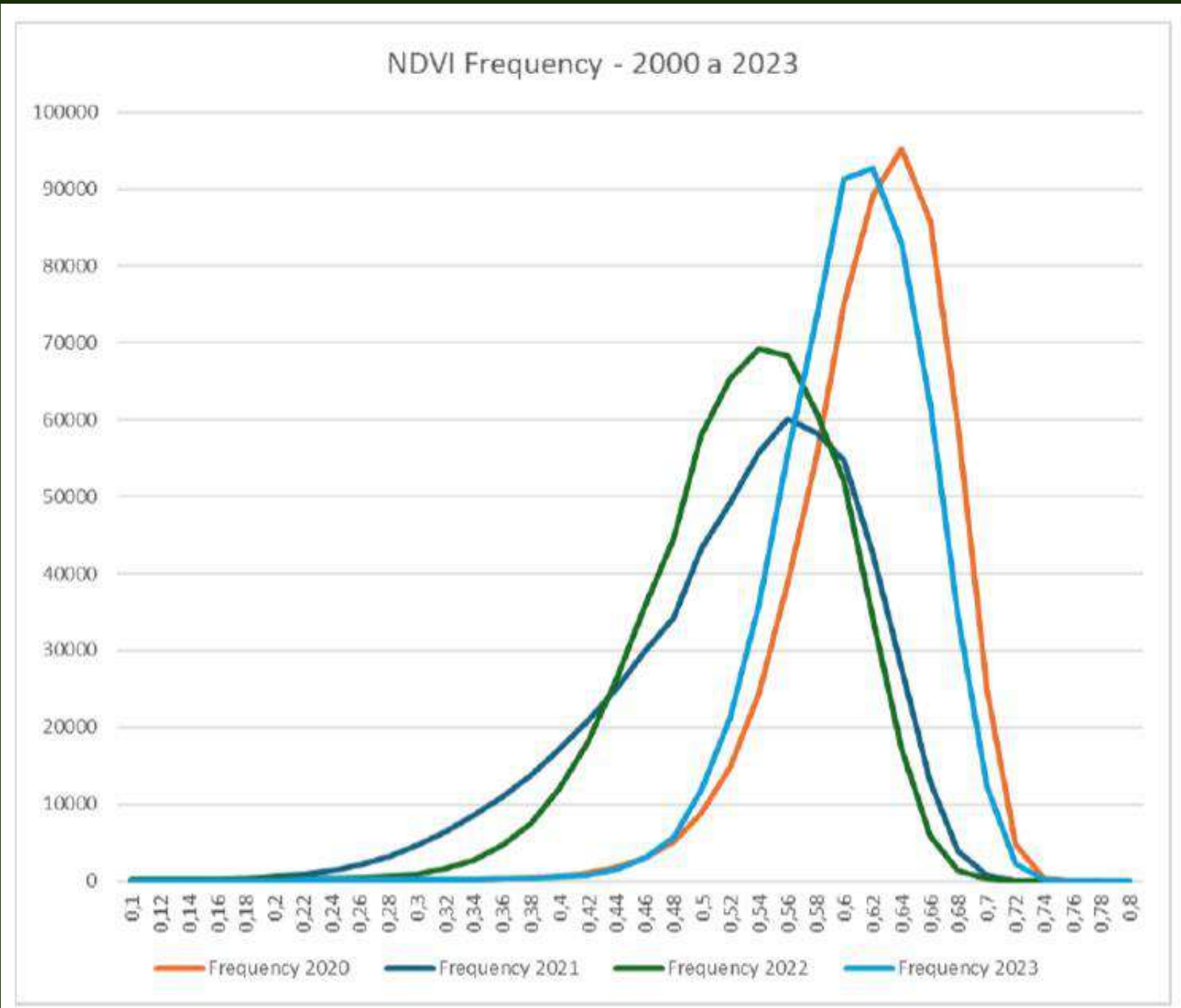
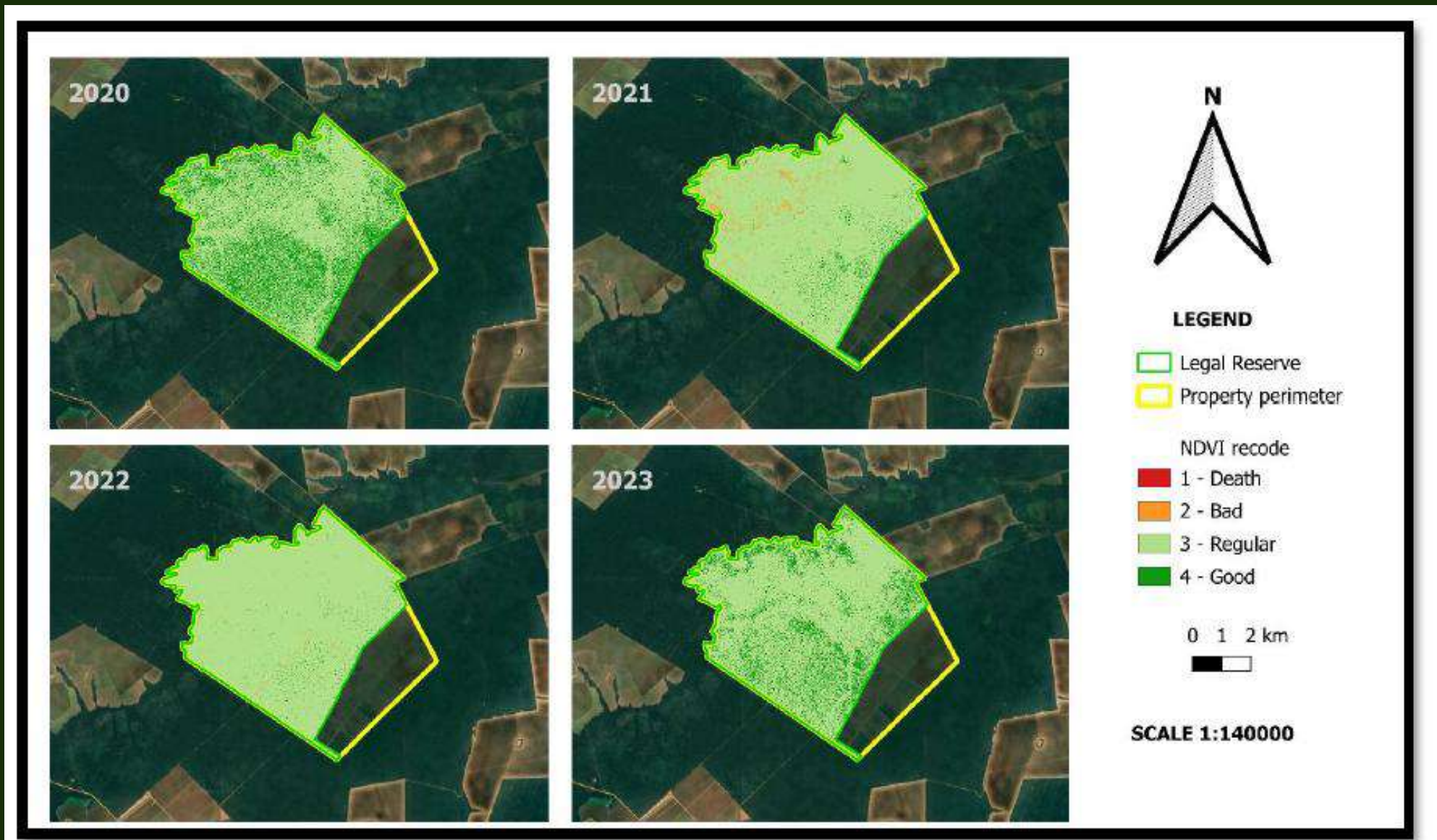


Image 1. NDVI vegetation health 2020-2023.



NDVI recode analysis – 2020 to 2023.

**RELEVANT FINDINGS**

N-010 Environmental Impacts

Year	Forest classification (forest formation + floodable forest formation) - hectares	% Compared to previous year
2020	3,743.85	-
2021	3,737.05	-0.182%
2022	3,736.43	-0.016%
2023	3,741.58	0.138%

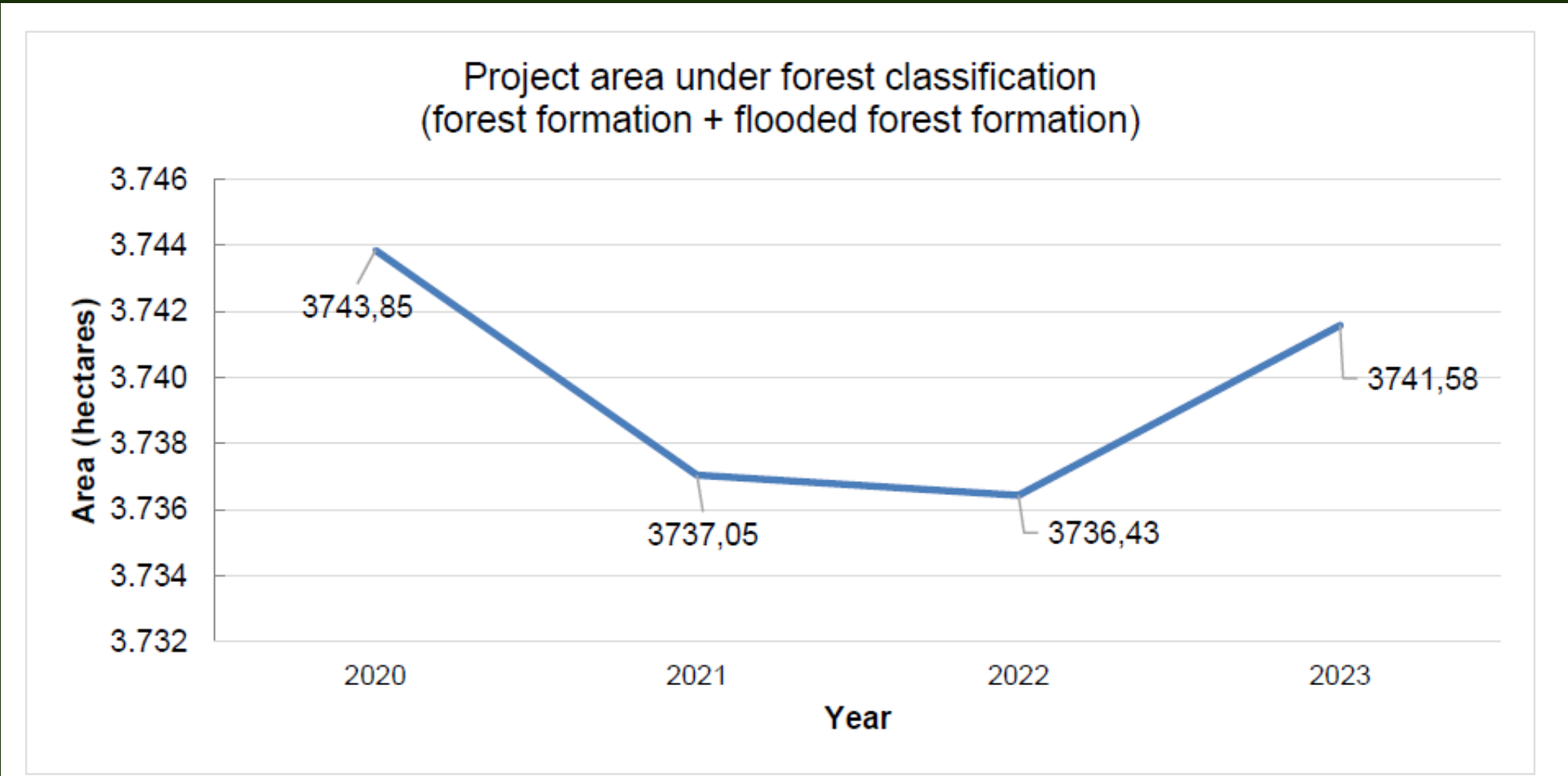


Image 14: Forest + floodable forest formation from 2020-2023's land use and occupation map within Fazenda J. Crestani's project area.

RELEVANT FINDINGS

N-010 Environmental Impacts

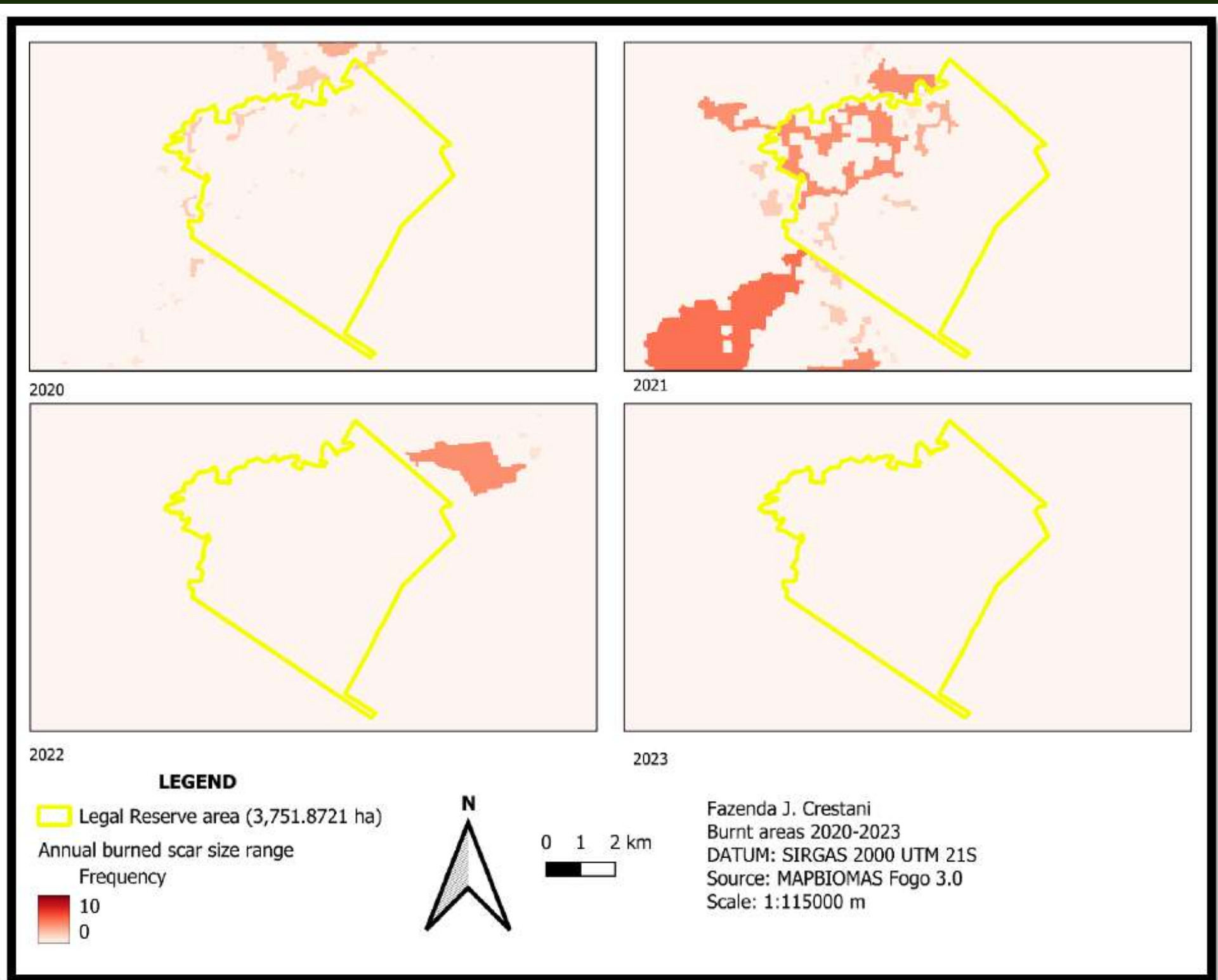


Image 3.1-14: Progress of burned scars areas neighbouring Fazenda J. Crestani's project area and within the project area – considering 30-September-2020 as project start year. Source: MAPBIOMAS Fire Collection 3.0.

**RELEVANT FINDINGS**

H-008 Equipment and infrastructure



RELEVANT FINDINGS

B-006 Flora and Fauna Local Information



Image	Location	Temperature	Date/Time
Top-Left	FAZ_J_CRESTA	93°F 33°C	01/03/2021 21:41:37
Top-Right	FAZ_J_CRESTA	65°F 18°C	09/13/2023 03:22:08
Bottom-Left	FAZ_J_CRESTA	71°F 21°C	
Bottom-Right	FAZ_J_CRESTA	75°F 23°C	07/17/2023 21:09:55



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**RELEVANT FINDINGS**

C-003 Correspondence with Sustainable Development Goals



**13** CLIMATE ACTION

An icon for Climate Action (SDG 13) showing a white eye shape with a globe of the Earth as the pupil, set against a dark green background.

**15** LIFE ON LAND

An icon for Life on Land (SDG 15) showing a white tree, three birds in flight, and a path, set against a medium green background.



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# PROJECT VALIDATION AND VERIFICATION



3<sup>RD</sup> INDEPENDENT PART

<https://kbscertification.com/>



SOCIALCARBON®

CERTIFICATION BODY

<https://www.socialcarbon.org/>



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## List of DOEs

The Executive Board, in accordance with [paragraph 20 of the CDM modalities and procedures](#), shall maintain a publicly available list of designated operational entities. The table below provides the list of accredited and provisionally designated operational entities for validation functions. These entities are accredited for the sectoral scopes shown below in the table and qualify to submit requests for project registration in these sectoral scopes.

[Methodologies linked to sectoral scopes](#)

Ref. Number	Entity	Sectoral scopes for validation	Sectoral scopes for verification and certification
E-0001	<a href="#">Japan Quality Assurance Organisation (JQA)</a>	1, 3, 4, 13, 14	1, 3, 4, 13, 14
E-0005	<a href="#">TÜV SÜD South Asia Private Limited (TÜV SÜD)</a>	1, 3-5, 7, 10, 13-15	1, 3-5, 7, 10, 13-15
E-0006	<a href="#">Deloitte Tohmatsu Sustainability, Co., Ltd. (DTSUS)</a>	1-3, 5, 10, 12, 13, 15	1-3, 5, 10, 12, 13, 15
E-0009	<a href="#">Bureau Veritas India Pvt. Ltd. (BVI)</a>	1-5, 7-10, 12-15	1-5, 7-10, 12-15
E-0021	<a href="#">AENOR INTERNACIONAL, S.A.U. (AENOR)</a>	1-15	1-15
E-0022	<a href="#">TÜV NORD CERT GmbH (TÜV NORD)</a>	1-16	1-16
E-0025	<a href="#">Korean Foundation for Quality (KFQ)</a>	1-5, 9, 11, 13, 15	1-5, 9, 11, 13, 15
E-0032	<a href="#">LGAI Technological Center, S.A. (LGA Tech. Center S.A)</a>	1, 3, 13	1, 3, 13
E-0034	<a href="#">China Environmental United Certification Center Co., Ltd. (CEC)</a>	1-15	1-15
E-0037	<a href="#">RINA Services S.p.A. (RINA)</a>	1-7, 9-11, 13-15	1-7, 9-11, 13-15
E-0039	<a href="#">Korean Standards Association (KSA)</a>	1-5, 9, 10, 13-15	1-5, 9, 10, 13-15
E-0044	<a href="#">China Quality Certification Centre Co., Ltd. (CQC)</a>	1-15	1-15
E-0046	<a href="#">China Classification Society Certification Co., Ltd. (CCSC)</a>	1-10, 13-15	1-10, 13-15
E-0047	<a href="#">CEPREI certification body (CEPREI)</a>	1-5, 8-10, 13, 15	1-5, 8-10, 13, 15
E-0051	<a href="#">KBS Certification Services Limited (KBS)</a>	1-5, 7-10, 12-15	1-5, 7-10, 12-15
E-0052	<a href="#">Carbon Check (India) Private Ltd. (Carbon Check)</a>	1-5, 7-10, 13-16	1-5, 7-10, 13-16
E-0056	<a href="#">Korea Testing &amp; Research Institute (KTR)</a>	1, 3-5, 11, 13	1, 3-5, 11, 13



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