

2020



ANNUAL REPORT

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ASSOCIAÇÃO ONÇAFARI



The Onçafari Association was created to promote environmental preservation and contribute to the social and economic development of the regions where it operates, thanks to its ecotourism and scientific studies initiatives. We work to preserve the biodiversity of various Brazilian biomes, with a special focus on jaguars and maned wolves.

1. WHO WE ARE

Founded in: 2011

Category: Non-profit Organization

Focus biomes: Pantanal, Amazon, Cerrado and Atlantic Forest

Structure and Partnerships:

- Headquarters in the Pantanal, at Caiman Pantanal, with a Reintroduction Enclosure for Large Mammals.
- Base in the Pantanal at Pousada Refúgio da Ilha (Salobra River Delta).
- Base in the Pantanal, at Reserva Santa Sofia – soon to have its own Reintroduction Enclosure for Large Mammals.
- Base in the Amazon, at Pousada Thaimaçu, with a Reintroduction Enclosure for Large Mammals.
- Base in the Cerrado, at Pousada Trijunção.
- Base in the Atlantic Forest, at Velloçitã.
- Base in the Atlantic Forest, at Legado das Águas.
- Preservation area in the Amazon, at the margins of the São Benedito River.

Sustainable development goals: This project is committed to the following UN Sustainable Development Goals.

- Decent work and economic growth
- Action against global climate change
- Life on Earth

Work fronts: Ecotourism, Science, Species Re-introduction, Education, Social Development, and Forests. .

2. ONÇAFARI IN NUMBERS

Significant numbers from over than nine years in the Pantanal

- More than 170 jaguars identified
- More than 4,000 sightings of jaguars
- Biological samples collected from 36 different jaguars
- 49 jaguars equipped with radio collars for monitoring

3. OBJECTIVES



Our overarching goal is to preserve the Brazilian fauna and its natural habitats by leveraging ecotourism and contributing to the country's social and economic development. This includes:

- 1 – Protecting biodiversity in the biomes where we're present;
- 2 – Promoting the social and economic development of target regions;
- 3 – Transforming and valuing the local culture;
- 4 – Expanding the scientific knowledge about jaguars, cougars, and maned wolves;
- 5 – Consolidating ecotourism as a preservation tool;
- 6 – Increasing the number of visitors to the Pantanal and Cerrado;
- 7 – Re-introducing jaguars, pumas, and maned wolves into nature.

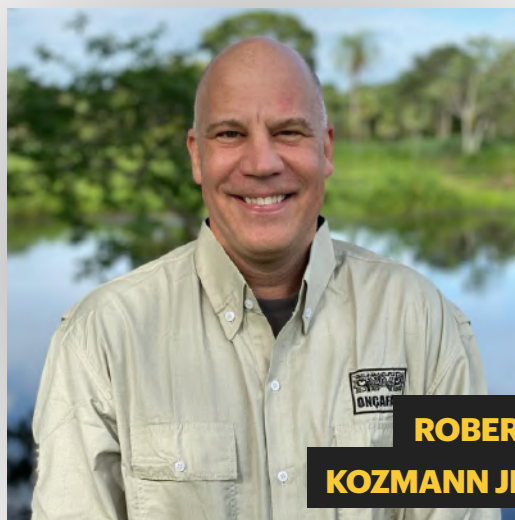
MESSAGE FROM THE BOARD

Dear friends, partners, and supporters,

One day the year of 2020 will be studied and many theses will be brought forth about the losses and progresses we all witnessed as we fought, survived, lost, overcame, and certainly evolved and emerged victorious.

We started 2021 with hopes for a better year with more health, but we are still in the thick of the pandemics severe impacts. With the advent of Covid-19, not only did we stop receiving tourists, but the economic adversities caused by the pandemic impacted the donations we receive. Nevertheless, with the help of all our supporters and partners, Onçafari not only was able to continue its operations, but we actually experienced growth in the period. We were able to avoid layoffs and keep all our employees active in their various functions. We view our accomplishments this year as seeds we have sowed and we are certain we will reap the fruits of even greater success in the years to come.

We are reminded of the forest fires that ravished Caiman in 2019, with terrible devastation and immeasurable damage. After that ecological disaster, many initiatives were undertaken to prevent new fires. These actions proved essential in the year of 2020, as they kept the flames from reaching the Caiman Ecological Refuge. Large fires struck neighboring regions, but the entire Onçafari team and equipment was mobilized and, alongside firefighters and partner farms in the region, we were able to control and extinguish the fire. Therefore, we look at 2020 proudly as we consider the successful recovery of the Pantanal region that burned



**ROBERT
KOZMANN JR.**

in 2019, thanks to the resources provided by our supporters and a campaign specifically developed for this purpose.

The purchase of the Santa Sofia farm in 2020 was a great milestone in the history of both the Mato Grosso do Sul Pantanal and Onçafari. The farm comprises a region of immense biological value, and its location forms a great ecological corridor that provides shelter and refuge to entire populations of many different species. Through Onçafari, we will protect and value the Santa Sofia region, in addition to promoting the social and economic development of the local population.

In July 2020, the Onçafari team rescued five maned wolf pups after their mother died. With the support of other institutions, the team is investing resources in order to ensure the successful re-introduction of the pups in different areas.

In September 2020, Onçafari decided to take an additional bold step by bringing in the first puma to be re-introduced into the Pantanal region.

Named Cacau, this puma spent her first five years in a small enclosure at a fauna rescue center. She is currently enjoying an enclosure of one hectare which we built in the Caiman forest and shows daily progress in her adaptation, developing behaviors that are natural for her species, such as hostility toward humans and hunting. In the next few months she will be re-introduced into the wild, with a radio collar equipped with GPS and VHF in order to enable her monitoring.

Our work can never stop, even with the adversities imposed by the pandemic. Onçafari's resilience is notable and stands out as a professional trait of each and every team member. Today Onçafari not only represents the jaguar's fight for survival, but all our initiatives and work fronts repeatedly achieve results that are a global benchmark in environmental protection.

We are extremely grateful to all our supporters and partners for the resources they have provided.

Thanks to them and their donations, Onçafari was able to intermediate the donation of various raw materials to institutions and local communities in the region of the Caiman Ecological Refuge. The Jatobazinho School was one of the receiving institutions, and they continue to rely on our support.

We have seen many images of vibrant natural life, of spaces being reclaimed by nature because humans have pulled back, and of beautiful skies nearly pollution-free. This only strengthens our certainty that every effort to protect wildlife is a worthy investment, and that the legacy of Onçafari is just starting.

I also want to extend a special thanks to Mario Haberfeld, who developed the initial concept for Onçafari, and to our entire operations team, whose daily dedication makes the Association possible.

Thank you for your commitment and hard work during the iconic year that has just ended. I wish everyone health, strength and perseverance, as we continue working side by side to make the difference and ensure a better future for the wildlife of our beloved Brasil.

Thank you,

Robert Kozmann Jr.



MESSAGE FROM THE PRESIDENT

Onçafari, what can I say about this project that makes me so proud?

When I founded Onçafari with my good friend Simon Bellingham, in August 2011, I never dreamed it would have grown so quickly in so short a time. How could I have imagined that the project, after only 9 years, would have achieved so much, broken so many paradigms, and contributed so significantly to preservation and to the social and economic development of the regions where it is present?



**MARIO
HABERFELD**

I never thought that through this project I would meet so many excellent people, that we would hire and train so many dedicated and extremely competent employees, that we would be supported by great companies from Brazil and abroad, and by so many individuals who also collaborate with us. How could I have imagined that my best friends would become "friends of the jaguar"*? It would have been impossible to foresee that so many people would dedicate themselves fully to the preservation of this species, of which until recently so little was known, including its habits in the wild.

How much have we learned on this journey that gets more exciting each day, and how many people whom we met over the years have had their dreams fulfilled! Watching a jaguar safely from inside a vehicle seemed farfetched but a few years ago, and today it is the daily reality of our main base of operations, the Caiman Ecological Refuge.

From there, we expanded to other regions and even to different biomes of our beloved and mistreated country. Our plan to habituate animals to the presence of vehicles worked so well that today, in addition to the jaguars as our main focus, we also work with maned wolves, pumas, and many other species from our rich fauna.

Even amidst the greatest global health crises I have ever seen, the Covid-19 pandemic, Onçafari was able to reorganize, control costs, avoid any layoffs, plan new paths and even grow – both economically and in terms of the regions where it works and promotes preservation.

Speaking of growth, 2020 marked the beginning of new operations and partnerships. In March we started working at Refúgio da Ilha, an ecolodge located at the margins of Rio Salobra, also in the Pantanal. The idea at this idyllic spot is the habituate jaguars to the presence of boats and guests, a challenging goal that we are pursuing diligently. Our efforts have started producing results, albeit still timid, with 15 jaguars sighted over the course of the year.

In August we entered a partnership with Legado das Águas, a Grupo Votorantim reservation in the Atlantic Forest, only a two-hour drive from the city of São Paulo. It's amazing to realize there are still places so well preserved and so close to the country's main metropolis! The wooded areas in the reserve are home to many pumas, one of the key species in this project. With our camera traps we have been able to capture hundreds of images of the species and, in partnership with Legado das Águas, we plan to create and help implement ecotourism activities in the reserve, establishing the virtuous circle that has proven to work so well in our other bases.

Tourism attracts people from all over the world; it raises awareness and exposes tourists to the rich local fauna and flora that are, more often than not, completely new to them. The tourists leave behind financial and other resources, which are then used to hire more and more local people, often from low-income families, who begin to see in the preservation of previously undesired animals their main source of income. Land owners in the region are able to expand their businesses, and the living forest increases in value, surpassing neighboring areas that have often been deforested. I am very glad to see this ecotourism model becoming more and more common throughout Brazil, and to know that Onçafari contributed to the process.

But our 2020 results weren't positive just in Brazil; in Argentina – to where we sent Jatobazinho, a jaguar we successfully re-introduced into the wild – we have also done well. In the region of Iberá, a natural habitat where unfortunately the jaguar and several other species have gone extinct, a gigantic effort to repopulate the area is underway, bringing back animals that lived there freely in the past but were decimated by hunting. The jaguar is the last step in the species re-introduction program, successfully led by Rewild Argentina, part of the Tompkins Foundation. The area has been made into a national reserve and is currently protected. Jatobazinho has already had a litter of cubs that are living in the wild with their mother, helping restore balance to the food chain. In 2021 we hope to spot Jatobazinho roaming freely in those lands that so resemble our own Pantanal.

À propos, the Tompkins Foundation was our original inspiration for creating our Santa Sofia Reservation, after many adaptations to conform to Brazilian legislation. Our natural areas preservation effort, which we call Forests, took a great step forward in 2020. Amidst the pandemic and all its impacts, we managed to raise funds to purchase Santa Sofia, an expanse of nearly 35,000 hectares in the Mato Grosso do Sul Pantanal; this area has extreme environmental importance in establishing a natural balance for local species. With this acquisition, we created a biological corridor that spreads out in all directions and connects the Caiman Ecological Refuge, where everything started, with other major preservation areas. With Santa Sofia, an unprecedented movement begins, aiming to connect neighboring areas with the goal of preserving the Pantanal, promoting best practices, joining forces against increasingly common forest fires, and exchanging information among neighboring communities in order to improve the sustainability of cattle raising in the region. This initiative is not only a game changer for the Pantanal, but also brings amazing people to the region, with vast knowledge and experience, and puts the spotlight on Santa Sofia, which aims to become a model self-sustainable farm in Brazil. We have plenty of work ahead, but I am certain that all of the input from our excellent partners will help us preserve and at the same time generate resources, not only for Santa Sofia, but for our neighbors and the entire region that encompasses this movement.

And as expected, even with the crisis that impacted the world in 2020, Onçafari, in partnership with Bank of America, the Caiman Ecological Refuge, and other important organizations, played a vital social role in our neighboring communities, villages and cities. Throughout 2020 we donated resources, hospital supplies, cleaning products, Covid-19 prevention supplies, and food, to institutions that

provide shelter for the elderly and special needs persons, in addition to the hospitals in the cities of Miranda and Aquidauana (MS). We produced information materials in the terêna language in order to efficiently communicate important instructions on how to prevent the spread of Coronavirus in the villages; in fact, we remain engaged in these initiatives in 2021, as the pandemic is still here.

But preservation isn't achieved through joy alone. The year of 2020 was very difficult in many aspects. Forest fires in our region in the Amazon biome consumed more than half of the green areas, due to the imprudence of local farmers. Ecotourism, our main source of income, was gravely shaken and practically non-existent in 2020, because of the pandemic. Foreign guests stopped travelling and many Onçafari reservations were consequently cancelled. On the other hand, whenever the pandemic eased up a bit, Brazilians started discovering their own country. This makes me hopeful that Brazilians can grow more proud of our natural resources and start fighting to preserve them.

With all that, we had to adapt, and since travelling had dwindled, we started educating our audience on social media, in a structured and planned manner, about the importance of preserving nature. We had thousands of posts, dozens of lectures, virtual safaris, articles published on magazines and newspapers, TV, digital media, and even a week-long event we called Onça Talks, in which we broached one of our work fronts each day, with presentations and expert guest speakers.

I would like to conclude by thanking all our advisors, our employees, and our third-party service providers. They are all part of this "wave" of producing content, giving advice, and raising global awareness to the importance of our work. I also thank all our partners and supporters, without whom our work would not be possible. And a very special thank you to everyone who helped us grow so significantly in a such a difficult year, especially the donors and partners of Santa Sofia, who fully embraced this project that will still bring many positive results for the preservation of the Pantanal, and will become a model for valuing our biodiversity.

My warmest regards and a 2021 full of joy and health,

Mario Haberfeld

** The expression is a lighthearted play on words with the Brazilian Portuguese expression "amigos da onça," commonly used to refer to questionable friends.*

RESULTS

ECOTOURISM

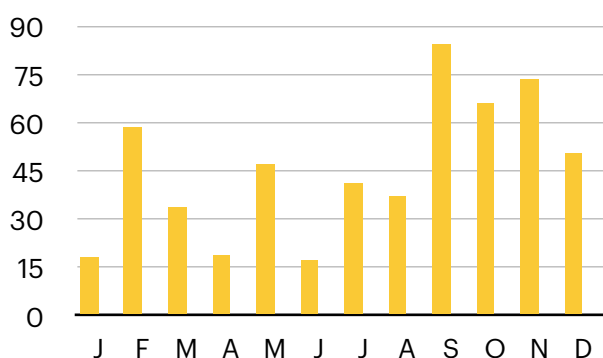


Onçafari endeavors to habituate animals, such as the jaguar and the maned wolf, to the presence of vehicles. As the animals grow accustomed to the presence of the safari cars, they no longer see them as a threat and are more relaxed, facilitating the development of ecotourism in the region. We currently work on this initiative in two of our bases: Caiman, in the Pantanal, and Trijunção, in the Cerrado. See the 2020 highlights below.

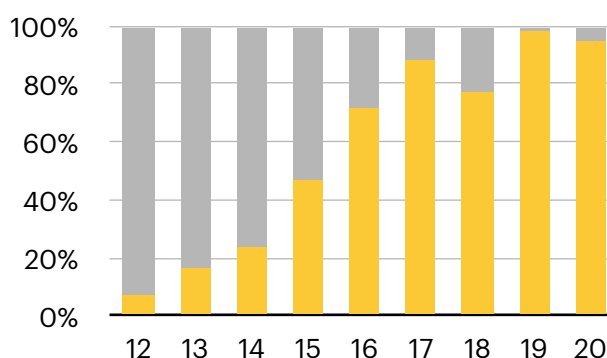
I. CAIMAN BASE - PANTANAL

In 2020, a pandemic year, the Caiman Ecological Refuge received 233 guests from 41 different nationalities. Of these, only 11 guests had no sightings of the jaguar in its natural habitat, which translates to a 95% sighting rate by guests.

Number of sightings of jaguars per month



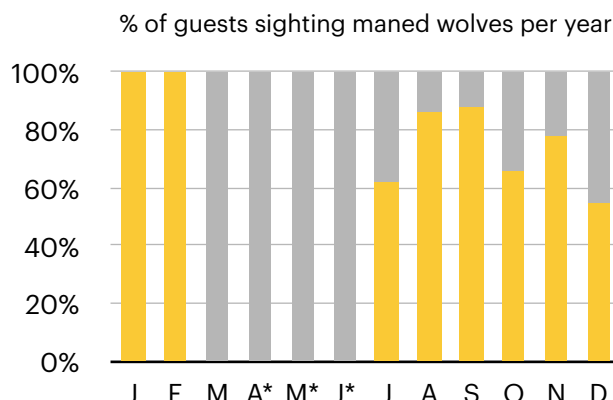
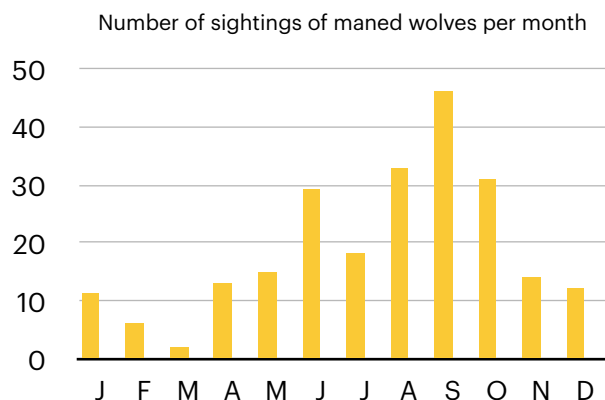
% of guests sighting jaguars per year



**+560 sightings
of jaguars**

**95% of our guests saw
jaguars in 2020**

II. TRIJUNÇÃO BASE - CERRADO



230 sightings of maned wolves in 2020

72% of guests saw maned wolves in 2020

* This base did not receive guests in the months of April, May, and June 2020.



Photo: João Bachur

CIÊNCIA



The goal of this front is to turn the raw data collected by the field teams in our various bases into technical and scientific data to be used in the preservation of the target species (jaguars, maned wolves, pumas), of the other species who live alongside these top-of-the-chain predators, and of the ecosystems in which they live. These data are shared in the form of scientific articles, book chapters, and presentations at academic events such as congresses, symposiums, and workshops. See the 2020 highlights below.

I. CAIMAN BASE - PANTANAL



**2 capture
campaigns**



**7 jaguars
captured**



**7 jaguars
received radio
collars**



**9.391 images
of jaguars
captured by
camera traps**

In all, 78 different jaguars were recorded in Caiman in 2020.

- 70 jaguars recorded by camera traps in trails and trees;
- 43 jaguars recorded by camera traps installed in carcasses;
- 48 jaguars observed in sightings during safaris and monitoring.

II. TRIJUNÇÃO BASE - CERRADO

**3 capture
campaigns**

**4 maned wolves
captured**
Nhorinhá was
captured in 2
different campaigns

**4 maned wolves
received radio
collars**

**1 jaguar
captured and
received radio
collar**

**488 images
of wolves
captured by
camera traps**

**10 wolves
captured by
camera traps**

**68 images
of jaguars
captured by
camera traps**

**5 jaguars
captured by
camera traps**

In December 2020 we created the Onçafari Scientific Committee, comprised of five members: Alexandre Bossi (Associação Onçafari and SOS Pantanal), Ronaldo Gonçalves Morato (CENAP/ICMBio), Peter Leimgruber (Smithsonian Conservation Biology Institute), Joares May-Júnior (Associação Onçafari, Panthera, and Unisul), and Eduardo Fragoso (Associação Onçafari). The committee is charged with coordinating, organizing, and contributing to Onçafari's scientific activities.



Photo: Giulia Nigro

III. SCIENTIFIC ARTICLES

In 2020, four articles were published and three were submitted – independently or in partnership with researchers from other projects and institutions – to periodicals of great scientific relevance.

Articles published:

- ANTAGONISTIC INTERACTIONS BETWEEN PREDATOR AND PREY - MOBBING OF JAGUARS BY WHITE-LIPPED PECCARIES. (Acta Ethologica)

Acess: <https://link.springer.com/article/10.1007/s10211-020-00335-w>

In partnership with a Panthera researcher, this article describes the aggressive behavior of white-lipped peccaries in the presence of jaguars, in an ecological interaction in which the prey ousts their predators.

- NEOTROPICAL CARNIVORES: A DATA SET ON CARNIVORE DISTRIBUTION IN THE NEOTROPICS (Ecology)

Acess: <https://esajournals.onlinelibrary.wiley.com/doi/10.1002/ecy.3128>

This collaborative article (or data paper) compiled data about the occurrence and distribution of carnivore mammals in the neotropics.

- NEOTROPICAL ALIEN MAMMALS - A DATA SET OF OCCURRENCE AND ABUNDANCE OF ALIEN MAMMALS IN THE NEOTROPICS (Ecology)

Acess: <https://esajournals.onlinelibrary.wiley.com/doi/10.1002/ecy.3115>

Also in collaborative form, this paper compiled data on the occurrence and abundance of exotic mammal species, such as wild boars, Monteiro pigs, European hares, bulls, and others, which to some degree have an impact on native species.

- USE OF FOOT SNARES TO CAPTURE LARGE FELIDS (Methods in Ecology and Evolution)

Acess: <https://besjournals.onlinelibrary.wiley.com/doi/abs/10.1111/2041-210X.13516>

Use of foot snare technique in capturing large felines, such as jaguars and pumas.

Articles submitted:

- (Accepted) INTRAGUILD PREDATION AND OTHER INTERACTIONS BETWEEN TWO LARGE CARNIVORES IN THE BRAZILIAN PANTANAL (Cat News)

Reports on an event of predation of maned wolf pups by one of the jaguars monitored by the Pantanal team.

- (Accepted) DERMATOBIOSIS IN PANTHERA ONCA: FIRST DESCRIPTION AND MULTINOMIAL LOGISTIC REGRESSION TO ESTIMATE AND PREDICT PARASITISM IN CAPTURED WILD ANIMALS (Revista Brasileira de Parasitologia Veterinária)

Article about parasitism by botfly larvae in jaguars and its potential epidemiological implications.

- JAGUARS FROM THE BRAZILIAN PANTANAL: LOW GENETIC STRUCTURE, MALE-BIASED DISPERSAL AND IMPLICATIONS FOR LONG-TERM CONSERVATION (Biological Conservation)

Broaches the genetics of jaguars from different regions of the Pantanal, and the dispersion promoted predominantly by males of the species.

- ILLUMINATING BIG CAT MOVEMENTS: MOONLIGHT INFLUENCE ON JAGUAR SPACE USE IN THE SOUTHERN PANTANAL (Biodiversidade Brasileira – BioBrasil)

Article that assesses the possible influence of moon phases in the movement of jaguars in the Pantanal.

Additionally, Onçafari Science has also participated in evaluations and workshops related to preserving the biodiversity:

- AVALIAÇÃO DO ESTADO DE CONSERVAÇÃO DOS GATOS-PALHEIROS (CENAP/ICMBio)

The risk of extinction of two species of Pantanal cats (*Leopardus braccatus* e *Leopardus munoai*) was evaluated according to criteria specified by the International Union for Conservation of Nature.

- PLANO DE RESTAURAÇÃO DA MATA ATLÂNTICA NA ECORREGIÃO DO ALTO PARANÁ (PN IGUAÇU - PN DE ILHA GRANDE) (WWF/Mater Natura)

Workshop to plan an ecological corridor in the Atlantic Forest, connecting the National Parks of Iguaçu and Ilha Grande.

- REUNIÃO MAPBIOMAS – PANTANAL (MapBiomas)

Brought together Pantanal experts and researches with the goal of enhancing landscape classification by satellite imagery.



Photo: João Bachur

EDUCATION



The goal of Onçafari Education is to raise awareness about the importance of preserving biodiversity by promoting lectures, field activities, and events, and by participating in TV shows, producing documentaries, publishing books, and having a constant presence on social media .

In 2020, the online channels enabled Onçafari Education to reach even farther. The demand for lectures, participation in livecasts and TV shows, newspaper and magazine articles, and virtual safaris led us to create large amounts of digital content to help keep people informed and engaged with nature, even during the pandemic's lockdown period. These are some of the initiative we implemented:

- 08 articles in news portals and blogs promoting the work of Onçafari;
- 06 articles in printed newspapers and magazines;
- 04 participations and features in large audience TV programs and newscasts;
- At least 14 lectures: 05 at K-12 schools, 06 at universities, and 03 targeted at foreign audiences.
- Onçatalks: a series of 05 livecasts with experts in various preservation topics and responsible tourism, to an online audience of more than 2340 people;
- 04 virtual safaris recorded to bring the Pantanal and the jaguars to people at home;
- Participation in 02 podcasts;
- Miniseries of stories produced in partnership with the Matueté travel agency to promote Onçafari;
- Partnership with the YouTube children's channel "Turma do Curupira" in a five-episode miniseries about jaguars and Onçafari initiatives;
- Lecture at TEDx São Paulo given by Onçafari's founder;
- At least 11 Instagram livecasts on the topic of preservation, at different moments and venues;
- New "Kids page" on our institutional website .

REWILD



The goal of Onçafari Reintroduction is to reintroduce the jaguar into its natural habitat; species reintroduction is an important tool in helping rescue endangered species. Onçafari currently also rescues and rehabilitates other small, medium, and large mammals that will later be released into the wild.



Caiman Base:

At the Caiman Ecological Refuge, our Rehabilitation and Reintroduction Center received, on August 23, 2020, our first puma (*Puma concolor*) for training and posterior assessment for release. Cacau, as she is called, is

approximately 5 years old and is the first puma Onçafari is rehabilitating for release. This year, Cacau started hunting live prey, including chickens and capybaras.

On October 16, 2020, for the first time in history, a reintroduced jaguar became a grandmother. The jaguar Isa, which Onçafari returned to the wild in 2016, gave birth in 2018 to its first cub, Aurora, who, in turn, had a cub in July 2020, called Badaaye.



Trijunção Base:

At Trijunção Farm, we received the two maned wolf pups Araticum and Mangaba, rescued after the death of their mother, Caliandra. They were taken to a reintroduction and training facility at Fazenda Trijunção's conservationist nursery,

under supervision of the Onçafari technical team. In 2021, the wolves will receive training for release into the wild.

Thaimaçu Base:

The pandemic prevented Onçafari from having a more active presence in the Amazon region in 2020, since our base is located inside a resort and flights to the region were limited. Nevertheless, we implemented three camera trap campaigns and secured great photo records to continue our works in the following year.



Also in 2020, around mid-year, the radio collar on the jaguar Vivara went offline, but we still managed to verify the stability of her territory in the region of Rio Azul (São Benedito II). Her living territory extends over approximately 9,000 hectares. The radio collar of the jaguar Pandora also went offline, but there are

indications that she is well; her territory is part of a nursery region for various mammalian, reptilian, and bird species on the margins of the São Benedito River.

SOCIAL



Onçafari Social has the goal of promoting the social and economic development of the communities around our bases, by empowering and engaging local populations in the context of environmental preservation. Various activities and lectures on environmental education are provided, and people are exposed to professional alternatives that can lead to social ascension. We also donate materials, food, and equipment to families, schools, and local partner institutions.

In 2020, in partnership with Bank of America and the Caiman Ecological Refuge, Onçafari donated food baskets, personal protection equipment and personal hygiene products to 8 institutions – including elderly homes, hospitals, and associations that provide support to indigenous communities and socially vulnerable families – in the cities of Miranda and Aquidauana, MS, to help them cope with the Covid-19 pandemic. This initiative directly benefitted more than 1,200 people. Thirty-one plaques with instructions on how to prevent Covid-19 were made in the terêna language and installed at the region's native villages, in partnership with the Intercultural Diversity Research Institute (IPEDI).

We also implemented the following initiatives:

- Two education activities for the children who live in the Caiman Ecological Refuge. One of these activities, called "Have a seat and listen to a story..." sought to share in detail the reintroduction process of two jaguars that were well-known to the local community, Isa and Fera. The other activity, called "Nature's spies" explored the technique of tracking in the proximities of the village.
- We donated drones to the Prevfogo fire prevention teams (IBAMA) and the MS Firefighters Corps, so as to help in the fight against forest fires.
- A presentation about the work of Onçafari, followed by a jaguar-spotting safari, was given to the firefighters who helped fight the fires in the Caiman Ecological Refuge region.
- A presentation about the work of Onçafari, followed by a jaguar-spotting safari was given to the families of the workers who live in the Caiman Ecological Refuge.

- We established the future project Naturalist Guides School, with the goal of educating new local guides, both bilingual and foreigners.
- A presentation about the reintroduction project for maned wolf pups, followed by a field trip, was given to the Trijunção employees.
- One employee from Trijunção participated in the release of the maned wolf Pequ after it was captured for installation of a radio collar.
- A technical visit was conducted at the Salobra riverside community, in the region of Refúgio da Ilha, in order to learn about their needs.
- Presentation about Onçafari's work to the employees of Legado das Águas.
- An activity was conducted with the employees of Legado das Águas on National Jaguar Day that included a question and answer session about jaguars and the screening of the documentary "Jaguars – Brazil's Supercats".



FORESTS



This segment of Onçafari was created in July 2019, with the main goal of preserving areas of high ecological interest. We search for strategic and biologically important regions and work to protect them, ensuring both shelter and passage for the wild animals.

In 2019, Onçafari acquired the first such region, on the margins of the São Benedito river, in the south of the state of Pará. The plan is to preserve the left margin of this important river that crosses one of the most beautiful areas in the region. Despite the fact that the right margin is protected thanks to a Brazilian Air Force (FAB) reservation, the left margin has been under significant threat.



By acquiring this area, we joined and strengthened a partnership of land owners who are creating a corridor of preserved forests on the left margin of the São Benedito, in order to keep rampant deforestation from reaching the river.

The São Benedito river extends for about 250 km outside of protected areas. Thanks to our movement, we have ensured the preservation of nearly 150 km on both sides of the river.

Onçafari Forests had a relatively timid start in comparison with the size of the area we purchased, thanks to donations from our partners, but it grew quickly once it joined other conservationists.

In 2020, we embarked in one of the most ambitious projects in the history of Onçafari: the acquisition of the Santa Sofia farm. The farm, located to the north of the Caiman Ecological Refuge, in the southern region of the Pantanal, is extremely important for the preservation of the region.



The farm was likely going to be sold for cattle raising, and would probably lose nearly 50% of all its forests, which is permitted according to state law in Mato Grosso do Sul. Since the area is currently almost entirely preserved, we decided to intervene and prepare a bold plan to acquire the farm, turn it into a reserve, and leave it as an environmental legacy for future generations.

The plan involved raising a significant amount of resources during the pandemic, which was in full force and seriously impacted the global economy. Despite everything that was happening in the world at the time, we had an excellent surprise when we realized that people who are committed to the cause of preservation were willing to join us in this amazing journey that is, in effect, just starting.

Reserva Santa Sofia, as it is known today, has the goal of becoming a benchmark for the self-sustainable conservation of lands in Brazil .

By promoting eco-tourism, certification of carbon credits, sustainable cattle raising, and other projects, we want to ensure that Santa Sofia is self-sustainable within just a few years.

In addition to purchasing the farm, we also allocated resources to create an endowment fund for the reservation, and another fund specifically for preventing and fighting any forest fires that may threaten our lands or those of our neighbors.

There is much to be done, but the project has been kicked off and we hope to soon be able to replicate this model throughout Brazil.

The purchase of this farm, with the help of our amazing partners, also sparked a movement to join together neighboring farms under the same purpose. We currently have nearly 400,000 hectares owned by neighbors who not only embrace sustainable production, but actively fight to promote the conservation of the Pantanal.

The project is so innovative that, at the end of 2020, Boston Consulting Group (BCG) decided to conduct a large study and provide pro-bono consulting to our reservation. We discussed issues related to financial sustainability, sources of funds, and governance, among others.

Onçafari Forests started small, but it has grown and today plays a significant role in the preservation of lands both in the Pantanal and in the Amazon. We want this new conservation model, in which we bring together individuals who are interested in preserving our country's natural resources, to become a widely replicated strategy in our country .



SIGNIFICANT EVENTS

- Closer relationship with the press, renewed communications model, and development of monthly newsletter with new communications partners.
- New bases: Refúgio da Ilha, Legado das Águas, and Santa Sofia.
- Participation in the "The Wall" segment in the leading TV show "Caldeirão do Huck."
- Rescue of maned wolves

I. RESERVA SANTA SOFIA

Reserva Santa Sofia is the second area acquired and managed by our forest protection organization, and is managed by Onçafari.

Due to its strategic location, we classified Reserva Santa Sofia – with approximately 34,000 hectares – as extremely important for preservation. In addition to being nearly entirely preserved, it is surrounded by properties that actively promote conservation, such as the Caiman Ecological Refuge, the Fazendinha Farm, and the Rio Negro Farm.

In addition to affording us the ability to influence a large expanse of land for conservation, Santa Sofia also gives us the ability to preserve two important Pantanal rivers: the Aquidauana and Negro rivers, which mark, respectively, the northern and southern borders of the farm. The two rivers extend for 83 km in the reservation.

In order to purchase the land and ensure that it will remain preserved, Onçafari joined with other conservationists to acquire the farm in July 2020. With recent changes in the Mato Grosso do Sul state legislation, a large portion of Santa Sofia was under threat of being legally deforested –

would gravely impacting an important preservation nucleus – should the farm be purchased by parties so inclined .

With an innovative strategy, Onçafari joined its advisers to raise funds, purchase the land, and implement a plan to ensure the reservation would be self-sustainable.

We are very pleased with the fact that so many individuals, in Brazil and abroad, are concerned with protecting the biodiversity and have found in this project the ideal tool for helping to preserve nature.

The area was divided into eight quotas, and the funds raised were allocated not just to purchase the land, but to create an endowment fund that will ensure maintenance costs are covered in perpetuity. Three of the quotas were donated to the Onçafari Association, which today owns 3/8 of the reservation. Additionally, we leveraged the generous donations received to create a Fire Fighting and Prevention fund, to renovate many of the farm's buildings that were badly damaged by the 2019 fires, and to purchase equipment and supplies for the daily operation of the reservation.

THE INTENTION OF ALL QUOTA HOLDERS IS THAT RESERVA SANTA SOFIA SHOULD BECOME A MODEL OF CONSERVATION AND SUSTAINABLE PRODUCTION IN BRAZIL, AND A LEGACY FOR FUTURE GENERATIONS.

In the second half of 2020, we received the support of the Boston Consulting Group (BCG), which chose this project for one of its philanthropic works. After several studies and visits, BCG presented us with an excellent action plan, which we are now implementing. This plan will help us develop, among other things, governance procedures and new sources of income for the property.

We have many plans underway, such as developing eco-tourism with the help of large companies that have been in the industry for years, implementing carbon credit projects and sustainable cattle raising in native pastures, just to name a few.

The purchase of Santa Sofia was the trigger for creating the 5P Group, which stands for Pantanal, Preservation, Partnerships, Production, and "Pecuária" (cattle raising, in Portuguese). The group brings together neighboring properties in order to establish sustainable practices and create a great ecological corridor in the region. This initiative, thanks to Santa Sofia and its neighboring properties, started with a corridor of 230,000 hectares and has been growing steadily as more properties join in.

We believe the corridor will surpass 400,000 hectares in 2021, and 600.000 hectares a few years from now. In the next few years, 5P is going to partner with other organizations to promote joint initiatives, such as training the properties' private fire brigades, develop studies about raising funds with environmental services, and ensure the constant exchange of information among its members.

The Santa Sofia acquisition is a milestone marker in the conservation of the Pantanal, and will soon become a model to be replicated in other biomes in the country .

II. REFÚGIO DA ILHA

The Refúgio da Ilha ecolodge was founded in 1997 with the goal of developing eco-tourism in a region known for the rare beauty of its landscapes, in the Mato Grosso do Sul Pantanal. Just 25 km outside the city of Miranda, with only 11 km of unpaved roads, the resort is easily accessible all year long. Located at the margins of the Salobra river, Refúgio da Ilha allows guests to explore a good stretch of the river, which springs at Serra da Bodoquena and flows into the Miranda river, making it an important link between the Cerrado and Pantanal biomes.

The ecolodge's region is called Delta do Salobra and contains a rich biodiversity, with many species of fauna and flora that are characteristic of both the Cerrado and the Pantanal. This exuberant fauna includes the five great iconic Pantanal mammals – the jaguar, the South American tapir, the marsh deer, the giant anteater, and the capybara –, in addition to the maned wolf (which is predominantly from the Cerrado) and a rich bird population, with more than 300 species identified .

Since 2012, the local nature guides have been spotting jaguars in the Delta do Salobra region. Having realized the region's great ecological importance, Maurício Copetti, one of the owners of Refúgio da Ilha, decided to create the Delta do Salobra Institute (IDS) with the goal of raising awareness to the preservation of the region. In March 2020 the partnership between Refúgio da Ilha, IDS, and Onçafari was established, dedicated to further understanding the dynamics of the jaguars in the Delta do Salobra.

BY UNDERSTANDING THE MOVEMENTS OF THIS ICONIC SPECIES, WE WILL INCREASE THE POSSIBILITIES OF SEEING THIS ANIMAL IN ITS NATURAL HABITAT. THIS WILL TAKE PLACE AS WE WORK TO HABITUATE THEM TO THE PRESENCE OF BOTH BOATS AND CARS.

Once the animals are habituated and chances of seeing them are greater, the eco-tourism at Refugio da Ilha can be more easily leveraged, in addition to raising awareness for the preservation of the Delta do Salobra, an important region in the Pantanal.

We thus intend to further develop eco-tourism in the region, in addition to helping people realize how important it is to preserve the natural resources of the Pantanal at Delta do Salobra.

In March we installed the first camera traps, and in May an Onçafari employee was permanently allocated to the area. Starting in July, we increased the number of full-time employees in the region to two. Their work includes the monthly monitoring of camera traps, the daily monitoring of the area by river – as well as the land around the ecolodge –, and making presentations to the guests about Onçafari and all our initiatives in the region. Additionally, all of the records of jaguar sightings by the ecolodge's employees and guides since 2012 were compiled and organized.

In this, the first year of work there, 193 videos of jaguars and 99 videos of pumas were captured by the camera traps. The jaguar videos allowed us to identify 10 different individuals.

Of these ten, seven had never been registered in the region – five males and two females). Along with the previous records from the area, a total of twenty six individual jaguars have been identified in the Delta do Salobra since 2012. Additionally, fifteen sightings of jaguars were recorded, six of which by the Onçafari team.

This means that the daily monitoring activities contributed with 40% of all jaguar sightings in 2020. Of these, the two females seen most frequently appeared to be very calm in the presence of the boat, demonstrating an advanced habituation process and confirming the potential for increasing the number of sightings of the species by guests. The ecolodge's reopening in the course of the Covid-19 pandemic took place in July, and after that 15% of the guests were able to spot at least one jaguar. A capture campaign to fit the animals with GPS/VHF collars was carried out in October 2020 and, despite the fact that no animals were captured, some jaguars went over the trap locations just a few days after the end of the campaign, raising expectations for future attempts. The collar will be of great help in understanding how the species uses the area, in addition to helping in the habitation of these individuals, especially when approached by land.

In the first few months of this partnership, significant information was obtained about the dynamics and habits of jaguars in the Delta do Salobra, and expectations are high as we move to a new year that we will be able to learn much more about how the species uses the region. This knowledge will help in developing local eco-tourism, in addition to raising awareness for the preservation of the Pantanal in the Delta do Salobra .

III. LEGADO DAS ÁGUAS

Legado das Águas ("Water Legacy") was created in 2012 by Reservas Votorantim, and is the largest Atlantic Forest private reserve in the country, with approximately 31,000 hectares of protected area. Located in Vale do Ribeira, a little more than 2 hours outside the city of São Paulo, it plays an important role in connecting the Serra do Mar and the Carlos Botelho state parks, both of which have documented the presence of jaguars.

LEGADO DAS ÁGUAS BOASTS AN EXTREMELY RICH BIODIVERSITY, INCLUDING RECORDS OF MANY ENDANGERED SPECIES, SUCH AS: BUSH DOGS, GIANT ANTEATERS, MANED WOLVES, SOUTH AMERICAN TAPIRS, AND SOUTHERN MURIQUIS. IT IS ALSO AN IMPORTANT HOTSPOT FOR THE OBSERVATION OF BIRD SPECIES NATIVE TO THE BIOME.

As Eco-tourism activities have been under preparation for years. In April 2019, Legado das Águas opened its doors to the public, from Tuesdays to Sundays, with no need to schedule visits ahead of time.

Since then, the number of visitors has increased. In August 2020, the Onçafari and Legado das Águas partnership was signed.

Initially, one Onçafari employee will be permanently allocated and responsible for the work at Legado das Águas. The partnership aims to better understand the population dynamics of the large cats that live in the reservation, and to study the presence or absence of jaguars in the region. The work planned also includes activities for the observation of wild animals, especially pumas and other large mammals.

In 2020, twenty camera traps were installed to monitor the reservation's fauna. Between August and December more than 3,000 records of different species were made, including birds, reptiles, mammals, and insects.

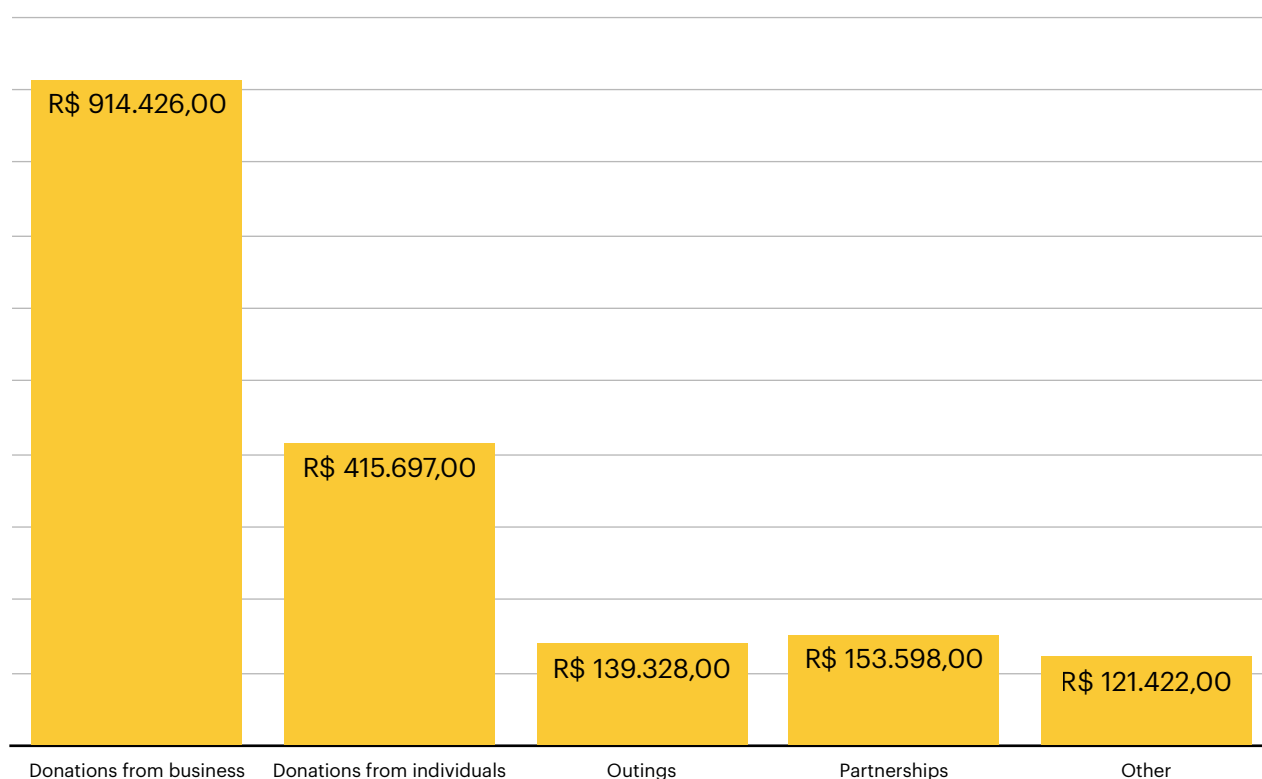
Among the mammals, there was a considerable number of South American tapirs, white-lipped peccaries, rodents, and marsupials recorded, in addition to 60 records of pumas. Identifying individual pumas is more difficult than jaguars, because their coats are uniform and can vary from a caramel color to a reddish-brown. Even so, we managed to identify at least 5 individual pumas based on the time lapsed between records. Two of the pumas were given names according to unique morphological traits: the male Troncho has the left year lower than the right, and the male Tikún has a fractured tail.

In addition to our scientific initiatives, environmental education and awareness activities directed at employees have been started, with lectures and screening of the Onçafari documentary .



FINANCIAL RESULTS

REVENUES

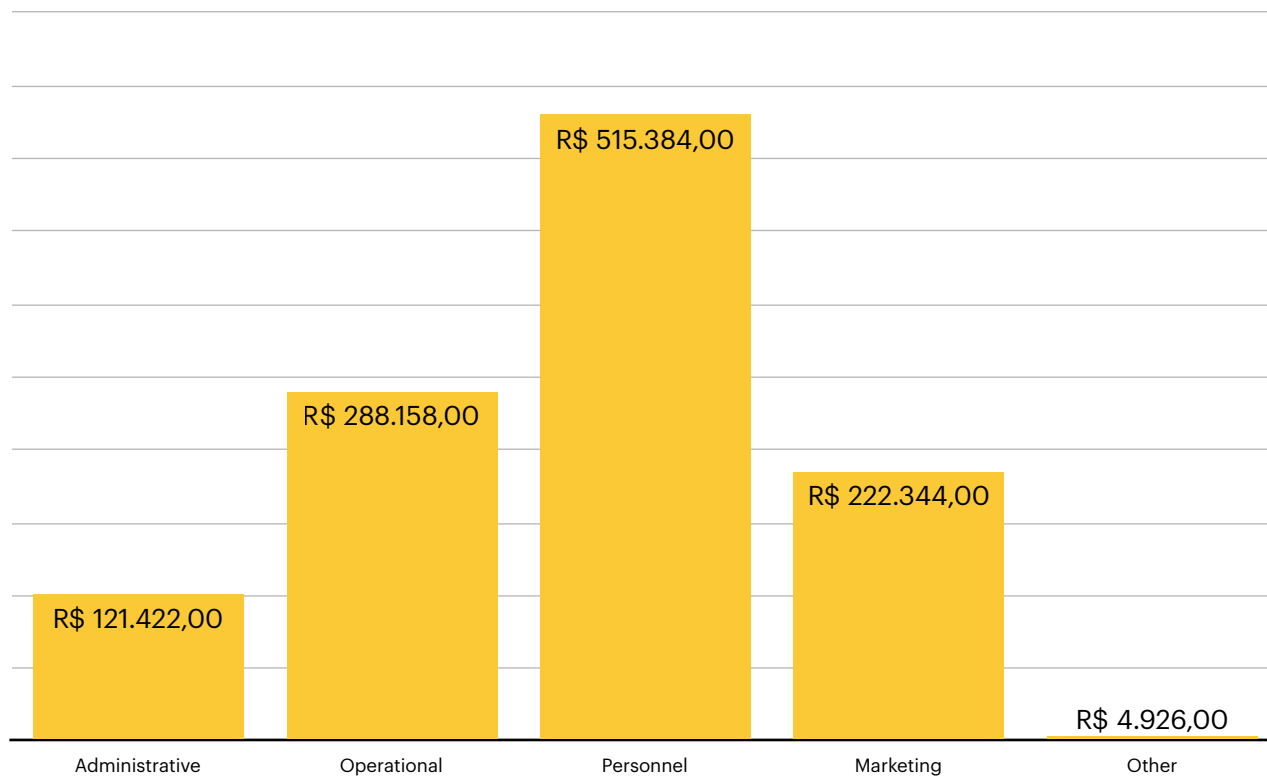


TOTAL REVENUE: R\$ 1.744.471

DONATION FOR THE SANTA SOFIA ACQ: R\$16.854.225

GRAND TOTAL: R\$ 18.598.696

EXPENSES



TOTAL EXPENSES: R\$ 1.245.061

MESSAGE FROM A PARTNER

Since its foundation, in 1948, Land Rover has always supported associations and initiatives dedicated to conserving nature and preserving the environment. In keeping with that tradition, in 2019 we had the privilege of joining the amazing team of Onçafari partners.

When I first saw – in person – the work performed by Onçafari, I realized it went much farther than preserving certain wild animal species (which in and of itself is already a monumental achievement).



But no. Onçafari's mission goes beyond that. Far beyond.

They have their sights set on entire biomes: millions of hectares of the most impressive biodiversity. What the Onçafari team has in mind is nothing less than the FUTURE. The future of jaguars and maned wolves, but also my, yours, our future. A future in which sustainability is no longer a fashionable word, but the one and only directive.

Being able to build this future alongside Onçafari gives us indescribable pride.

After all, the conservation and protection of nature has also been a part of our DNA, since the beginning. And that's what inspires us to go farther and to put our abilities to the test. And that's why we entered this very important partnership .

“OUR DNA IS TO CONSERVE AND PROTECT NATURE.”

It's been two years since we made this partnership, and it has only grown stronger. Today, in 2021, Onçafari is celebrating its 10th anniversary. A whole decade dedicated to the social and economic development of the country, by creating jobs in eco-tourism and promoting scientific research. Ten years of an absolute dedication and diligence to ensure the conservation of the environment.

In order to celebrate this very special occasion, Land Rover has given two new Defenders to Onçafari, and has additionally restored two old Defenders. These vehicles will be used to transport guests during the safaris, as well as in the daily support of the team during field work.

During my visit to Onçafari, I remember talking to Mario Haberfeld, and he made a very pertinent observation about how promising the partnership with Land Rover really is: "Cars are the most important tool we have at Onçafari, the one thing we need the most. Especially cars that can reach any place."

We want to thank Mario for the partnership and the opportunity to take part in this important project, that allows us to contribute to a future where jaguars, maned wolves, and nature, can prosper. And we hope that, with our cars, our Defenders, we can be exactly what Mario described: a tool. The most important kind of tool.

A tool for transformation.

Congratulations for the 10th anniversary, and success in the years to come!

Frédéric Drouin

President of Jaguar Land Rover Latin America

