

HYACINTH MACAW INSTITUTE

ADOPT A NEST CAMPAIGN

8TH EDITION



**FINAL REPORT
2021-2022**

ABOUT THE INITIATIVE

THE HYACINTH MACAW INSTITUTE

It was created on September 3rd, 2003. The Institute is a civil society governed by private law, for non-economic purposes, which develops national environmental protection projects, with administrative and financial autonomy, with headquarters and jurisdiction in Campo Grande, MS. In 2004, the Hyacinth Macaw Institute starts to manage and administer the resources received by the Hyacinth Macaw Project and since then, it has participated in advocacy actions, subsidized and promoted public policies in favor of biodiversity conservation.

THE MISSION

To promote the conservation of biodiversity, seeking the rational use of natural resources and improving the quality of life.

THE CAMPAIGN

Among the main actions that have complemented the resources necessary for the execution of the work, is the "Adopt a nest" campaign of the Hyacinth Macaw Project, through donations from individuals and companies with different bonuses to their sponsors.



EU ADOTEI

Zinco

THE GODPARENTS OF THIS EDITION

The Eighth Edition of the Adopt a Nest Campaign (year 2021-2022) had very special adopters and some of them have been with us for a few years.

PHYSICAL PERSON

**Carlos Saldanha, Christopher Andrew Mouravieff
Apostol, Indiara Puton Dias de Souza, Nick and Jane
Pretince, Rosemary Low, Rose e Alfredo Setubal,
Tatiana Ferreira e Dr. Marcelo Ferreira, Teresa Bracher**

LEGAL PERSON

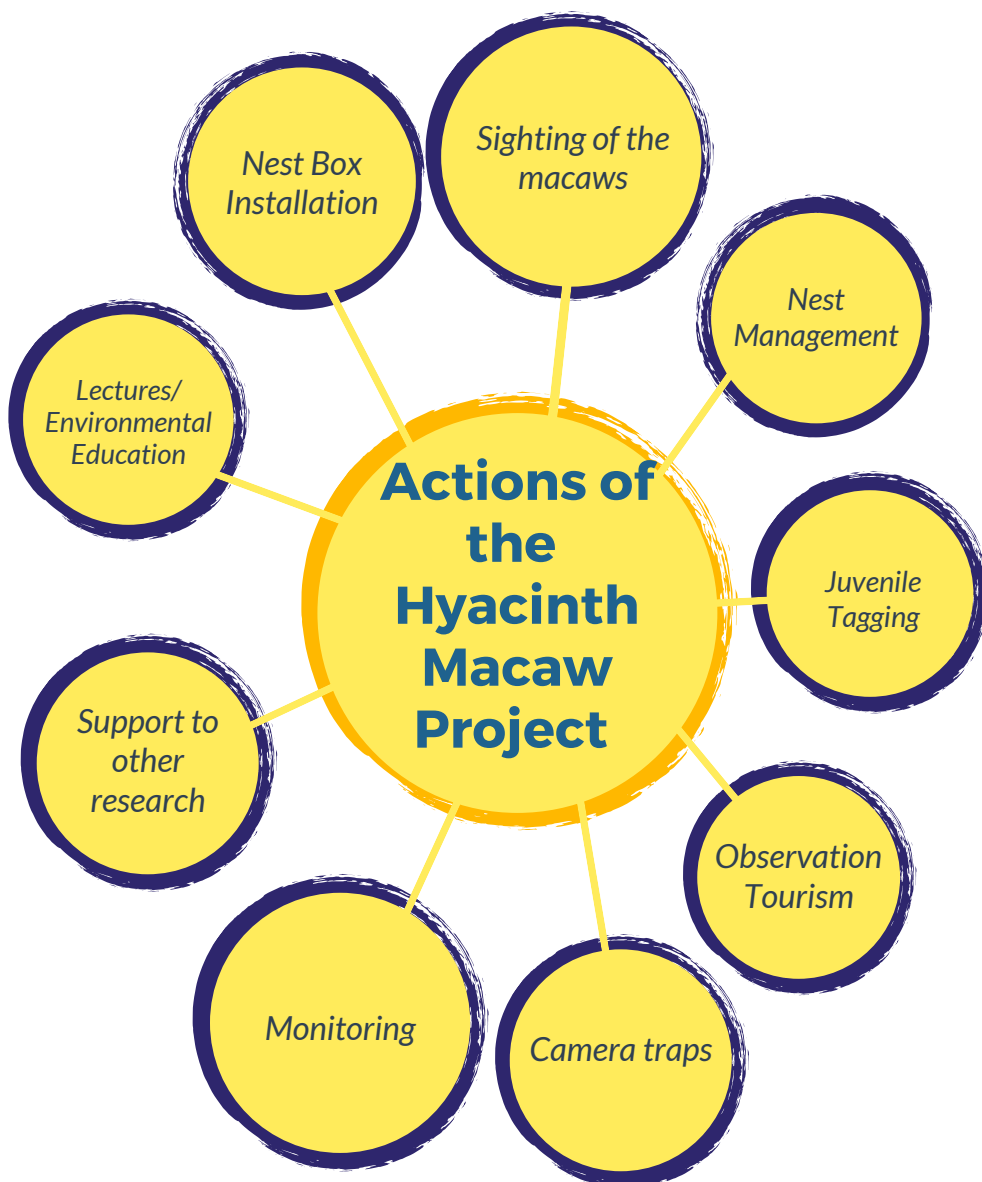
**Anilhas Capri, Ara Bleau - Pegoraro Participações S/A,
FHitz, PHARE Global Markets, HIGHSTIL, ABRADIT,
Arbois, Bioparc Conservation, SICOOB, CBB**

THE HYACINTH MACAW PROJECT

The Hyacinth Macaw Project studies the biology and ecological relationships of the hyacinth macaw. For this, it manages nests and promotes the conservation of the bird in its natural habitat.

The main goals are:

1. Maintain viable populations of hyacinth macaws at medium and long term free-living in your natural environment;
2. Promote the conservation of biodiversity and the Pantanal as a whole.



EACH YEAR SPECIFIC OBJECTIVES ARISE TO BE WORKED ON IN THE FIELD, BUT ALL ARE LINKED TO BASIC BIOLOGY, REPRODUCTION, BEHAVIOR, HABITAT REQUIREMENTS, MANAGEMENT AND ENVIRONMENTAL EDUCATION FOR THE CONSERVATION OF THE SPECIES IN NATURE, AMONG OTHERS..

WORK IN NUMBERS

THE CAIMAN FARM IS AN IMPORTANT HYACINTH MACAW BREEDING CENTER IN THE WILD.

In 2021, two years after the fires in Caiman, hyacinth macaws had the greatest reproductive success in recent years, thanks to monitoring, installation of new boxes and constant management of natural and artificial nests.

Most of this season's chicks flew from the artificial nests, stating that the boxes are a very important resource for the macaws' reproductive success in Caiman.

1766

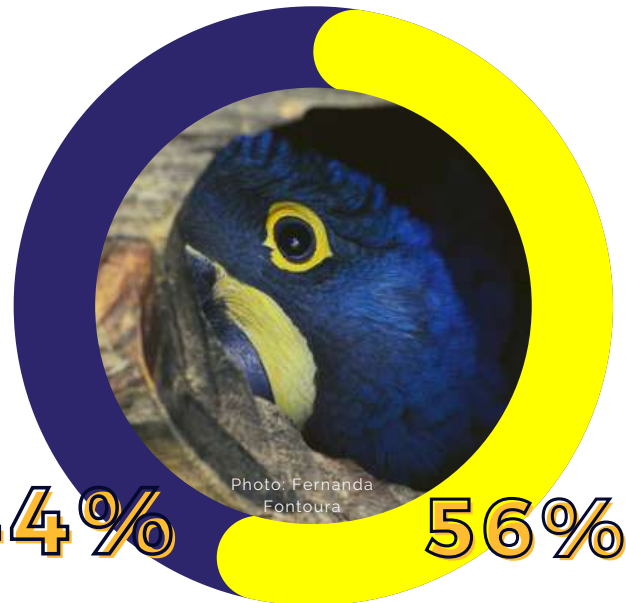
MONITORING (VISIT TO THE NESTS)

114

MONITORED NESTS

57

ACTIVE NESTS BY HYACINTH MACAWS



44%

OF THE CHICKS FLEW FROM THE NATURAL NESTS

56%

OF THE CHICKS FLEW OUT OF THE BOXES



Photo: Bruno Carvalho



Photo: Ana Cecilia Lourenço



Photo: Bruno Carvalho



Photo: Bruno Carvalho



Photo: Fernanda Fontoura



Photo: M^a Eduarda Monteiro



Photo: Flavia Bouch



Photo: Ana Cecilia Lourenço

THE FIELD CHALLENGES

During field activities, the team faces many challenges. At times it is necessary to open trails to reach the nests and travel long distances. In winter (June, July), temperatures can reach below 7° and in summer (December), they exceed 40°. Many cavities are occupied by other species, including stinging bees, which can be very dangerous. Monitoring and management needs to be carried out with great attention, patience and skill.



Photo: Lucas Rocha



Photo: M^a Eduarda Monteiro



Photo: Kefany Ramalho



Photo: Fernanda Fontoura



Photo: Kefany Ramalho



Photo: Flávia Bouch



Photo: Kefany Ramalho



Photo: Ana Cecília Lourenço



Photo: Ana Cecília Lourenço



Photo: Mª Eduarda Monteiro

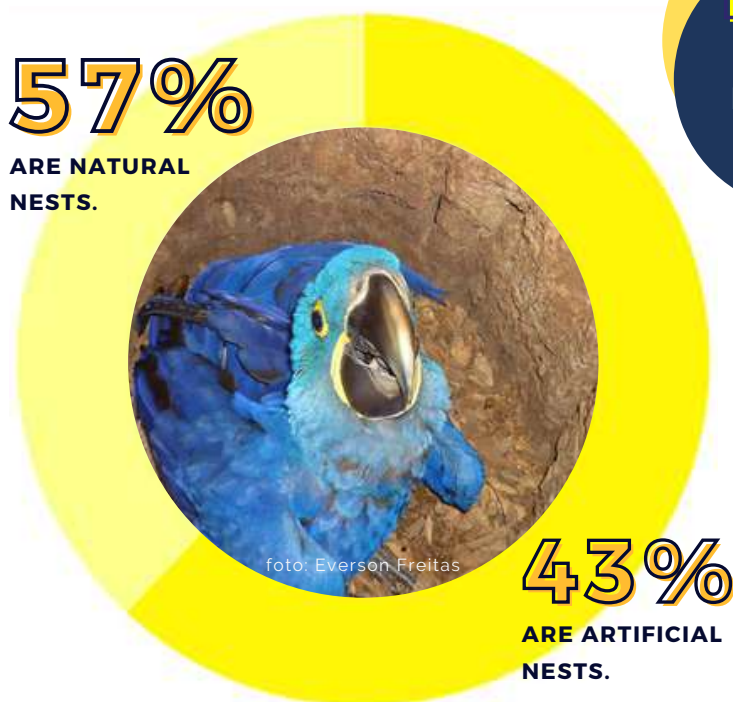


Photo: Ana Cecília Lourenço

WORK IN NUMBERS

Of the monitored nests, the majority, 57%, were natural and the rest, 43%, were artificial (graph below).

AT CAIMAN, ARTIFICIAL NESTS CORRESPOND TO ALMOST HALF OF THE CAVITIES REGISTERED BY THE PROJECT.



76

MANAGED NESTS

24

BOXES INSTALLED

7

LOST NESTS

3

CAVITIES INDEXED

In this breeding season, 76 nests, between natural and artificial, were managed, that means: nest opening decrease, bed elevation, drainage and installation of metal plate on the tree trunk to prevent predatory mammals from climbing.

THE CAMPAIGN "ADOPT A NEST"

114

**TOTAL NESTS
AVAILABLE FOR
ADOPTION**

YOUR ADOPTION IS VERY IMPORTANT!

This resource is a significant part of carrying out field work, handling and making new artificial nests.

These actions increase the reproductive success of macaws and other species, benefiting all biodiversity!

52%

**OF CHICKS FLEW
FROM ADOPTED
NESTS!**

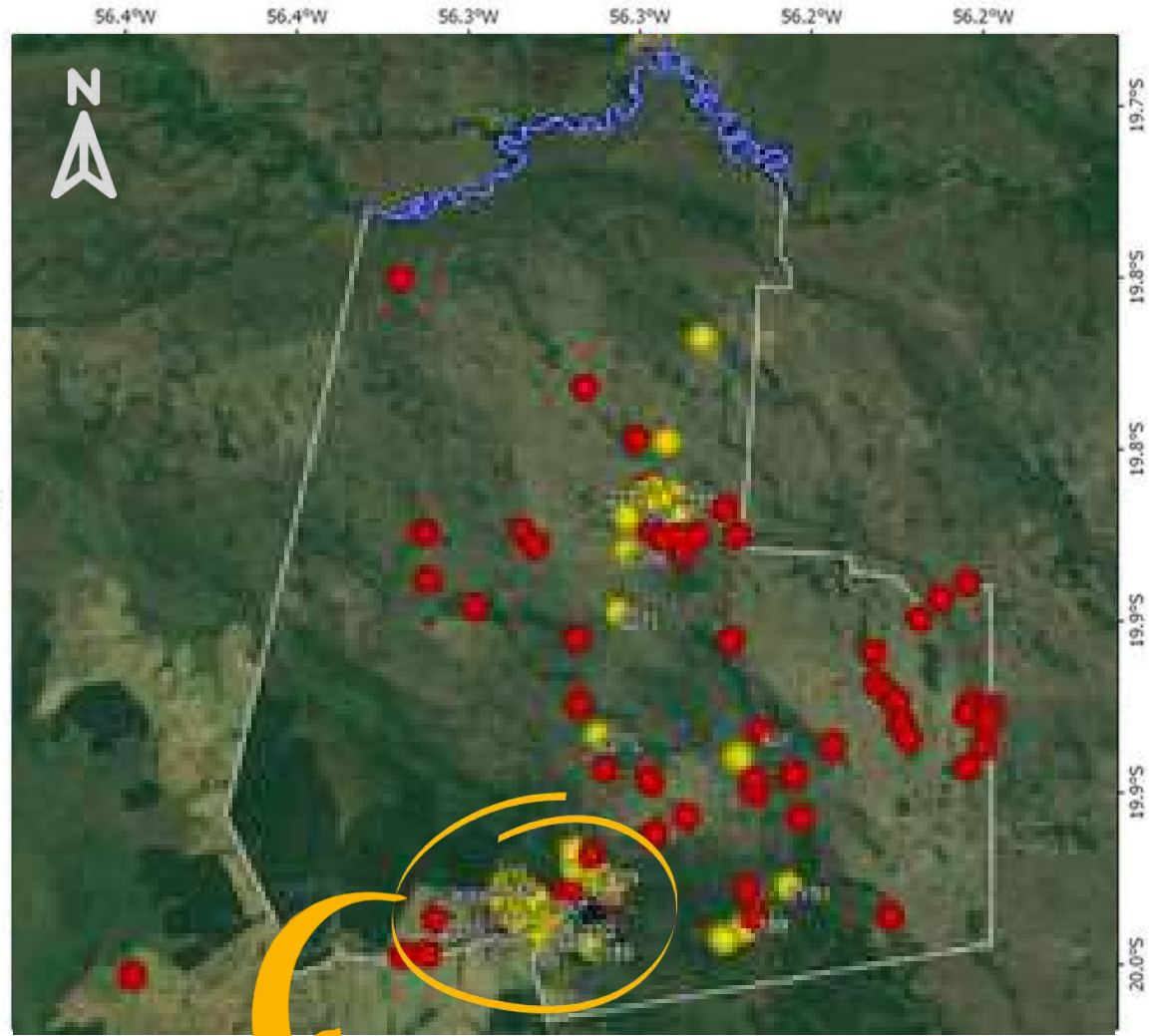
24

ADOPTED NESTS



Photo: Bruno Carvalho

ADOPTED NESTS



FARM BORDER

- ARTIFICIAL NEST
- NATURAL NEST



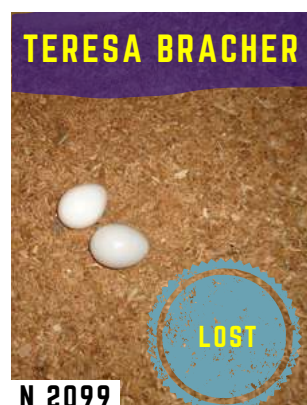
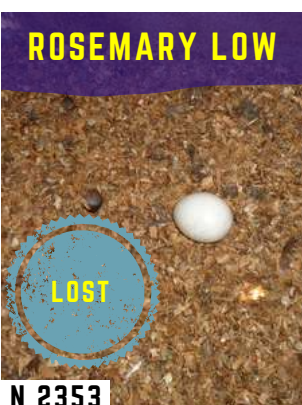
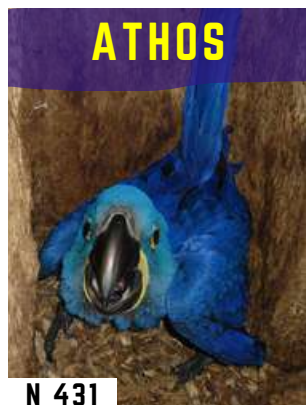
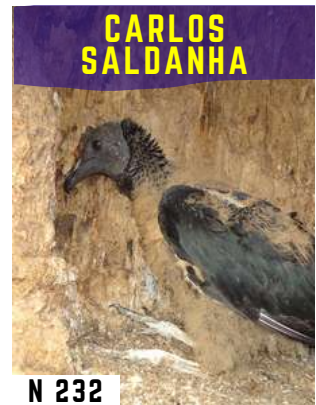
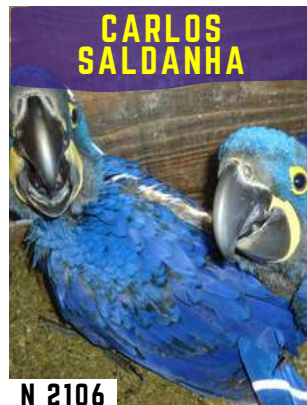
Elaboração:
Maxwell de Oliveira
Fernanda Fontoura
Kefany Ramalho
Neiva Guedes

The numbered nests on the maps are those adopted in the 8th Edition campaign.

CAN YOU FIND YOURS?



GODCHILDREN FROM THE EIGHTH EDITION



ACKNOWLEDGEMENT



Godparents, the hyacinth macaw breeding season in 2021 had the greatest reproductive success in recent years. After the fires in Caiman in 2019, we saw an increase in the loss of nest trees, pressure on habitat due to competition, predation and changes in the relationship between species, among other factors that persisted and led to numerous losses in 2020. In 2021, fires occurred, to a lesser extent in Caiman, but due to the training of the team by the Pantanal Brigades and management developed previously, they allowed that no eggs or chicks were lost. At the Hyacinth Macaw Reproduction Center in Caiman, the result of intense management and the increase or replacement of artificial nests made the difference. From a total of 137 monitored eggs, 55% were born and of these, 73% survived and flew. Most of the couples that had the survival of two chicks were in artificial nests. This fact can be explained because today artificial nests are installed in an open area to avoid the arrival of predators through the contact of the canopy. A further 72 eggs were monitored outside Caiman, for a total of 209 eggs monitored in this 2021-2022 breeding season, which ended with the last chick leaving the nest in April 2022.

The “Adote a Nest” campaign has been supporting the maintenance of the Pantanal's biodiversity, helping to continue research in the Hyacinth Macaw Project, through constant monitoring of natural and artificial nests. The adoption made by you collaborates in the protection of the hyacinth macaws as well as of several other species of animals that occupy the same cavities. Your adoption in the Campaign has been fundamental in this context and we are very grateful to have you with us in this project. This year, we are launching the 9th Edition of this initiative and it will be a privilege to continue with your partnership.



Moment when the oldest chick takes its first flight

TEAM AND COLLABORATORS

THE PEOPLE BEHIND THIS WORK

Hyacinth Macaw Institute team in Caiman: Neiva Maria Robaldo Guedes, Eliza Mense, Eveline R. Castanho, Larissa Tinoco, Fernanda Mussi Fontoura, Elisiane Mascarenhas, Kefany Ramalho, Ana Cecília Lourenço, Lucas Rocha, Everson Freitas. Scholars, interns or volunteers: Maria Eduarda Monteiro, Flavia Bouch.



NEIVA GUEDES
PRESIDENT / COORDINATOR



ELIZA MENSE
EXECUTIVE DIRECTOR



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BIOLOGISTS,
COMMUNICATORS



FIELD TEAM
BIOLOGISTS, ASSISTANTS
AND VOLUNTEERS

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