

ADOPT A NEST CAMPAIGN

9TH EDITION



FINAL ANNUAL REPORT
2022-2023

ABOUT THE INITIATIVE

THE HYACINTH MACAW INSTITUTE

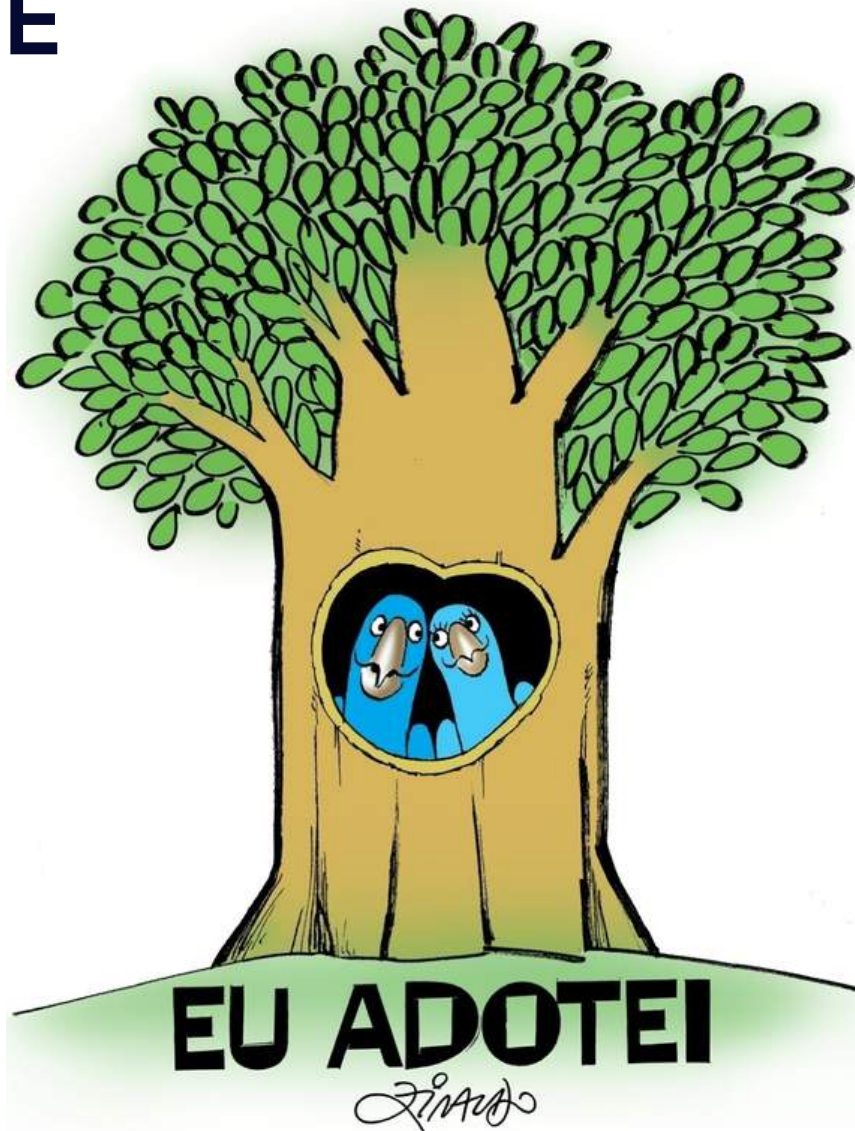
Created in 2003, the Institute is a non-governmental organization, headquartered in Campo Grande-MS. It develops research, education and sustainability projects for environmental conservation, with national coverage. From 2004, the Hyacinth Macaw Institute started to manage the Hyacinth Macaw Project. Its financial sustainability is the result of partnerships with people and companies, as well as its products generated by its know-how.

THE MISSION

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

THE CAMPAIGN

Among the main actions that have complemented the necessary resources for the execution of the work is the "Adopt a nest" campaign aimed at the Hyacinth Macaw Project, through donations from individuals and companies that demonstrate their socioenvironmental responsibility.



THE GODPARENTS OF THIS EDITION

The godparents of the 9th edition (year 2022-2023) were very special and some have already been part of our team for a few years. Most of the nests adopted in this edition are located in the Pantanal of Miranda, especially on the Caiman Farm, where there are the largest number of nests. The owners of Recanto Ecológico Rio da Prata and Fazenda Santa Teresa, also take part in the campaign with nest adoptions on their own properties. We thank you very much for your partnership.

NATURAL PERSON

CARLOS SALDANHA, TERESA BRACHER (FAZENDA SANTA TERESA), ROSEMARY LOW, JULIA GUPER SANDER, MARIKA SALOMONS, TATIANA FERREIRA E DR. MARCELO FERREIRA, INDIARA PUTON DIAS DE SOUZA, CHRISTINA PRESTIA (JANE E SCOTT), PAULA TORRES, ROSE E ALFREDO SETUBAL, VICTOR FASANO, VIVIANE SENNA LALLI E BIANCA SENNA LALLI NERY, MAITÊ PROENÇA, JONATHAN HOLTZMAN.

LEGAL ENTITY

RECANTO ECOLÓGICO RIO DA PRATA, MALLET ADVOGADOS, ANILHAS CAPRI, ARA BLEU- G.IPE CONFECÇÃO E ACESSÓRIOS LTDA., FHITS, ABRADIT, BIOPARC CONSERVATION.



THE HYACINTH MACAW PROJECT

The Hyacinth Macaw Project studies the biology and ecological relationships of the Hyacinth Macaw. To this end, it carries out nest management and promotes the conservation of the bird in its natural habitat.

Its main objectives are:

1. To maintain viable populations of free-living blue macaws in the medium to long term;
2. To promote the conservation of biodiversity and the Pantanal as a whole.



Photo: João Rêzende

All the objectives are related to basic biology, reproduction, behavior, habitat requirements, management, and environmental education for the conservation of the species in the wild. However, each year new goals emerge according to the research carried out.

ACTIONS OF THE HYACINTH MACAW PROJECT

Installation of boxes

Lectures

Nest Management

Research Support

Chick ringing

Environmental Education

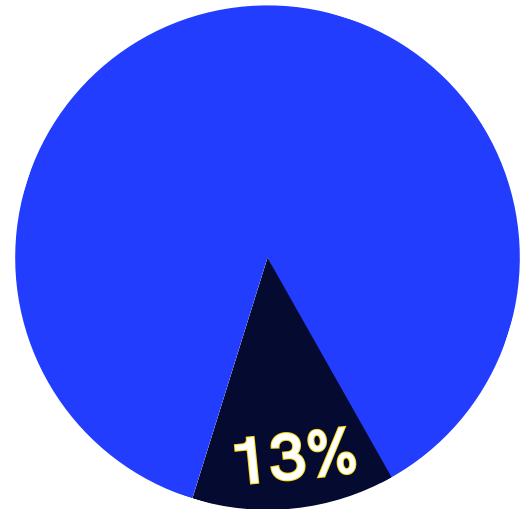
Monitoring

Camera Traps

THE WORK IN NUMBERS

During the breeding season 2022-2023, the Hyacinth Macaw Project teams were in several rural properties in the Pantanal and Cerrado carrying out nest monitoring, but in this report we will emphasize the results of the work in the Caiman Ecological Refuge, which is a major breeding center. And despite all the efforts made by the team in the field, the results of the breeding season 2022-2023 were lower than expected. There were fewer couples occupying the nests and consequently fewer eggs were laid and chicks hatched. These data are still being analyzed, but this reinforces the fragility of the species and how necessary and persistent monitoring activities, installation of new boxes and constant management of natural and artificial nests must be.

87% of the chicks flew out of the artificial nests



of the chicks flew out of the natural nests



1291 MONITORINGS

110 MONITORED NESTS

39 ACTIVE NESTS BY HYACINTH MACAWS

MOST OF THE CHICKS THIS SEASON FLEW OUT OF THE ARTIFICIAL NESTS, AFFIRMING THAT THE BOXES ARE A VERY IMPORTANT RESOURCE FOR THE REPRODUCTIVE SUCCESS OF THE MACAWS AT CAIMAN.



Photo: Kefany Ramalho



Photo: João Rezende



Photo: Kefany Ramalho



Photo: João Rezende



Photo: João Rezende

THE CHALLENGES FROM THE FIELD

Fieldwork in the Pantanal is meant to be challenging and rewarding at the same time. The challenges are many. From the paths and trails that need to be opened up and accessed often by foot, to facing weather conditions that can vary at certain times of the year. In winter, temperatures can drop below 7°C, and in summer, they can rise above 40°C. When the rainy season arrives, the fields are transformed, leaving the landscape completely flooded. Even in the rainy season, nest monitoring is not interrupted, but the way the areas are accessed can change completely. Accessing the nests ends up demanding more time and long walks become constant. In addition, many cavities are occupied by other species, including sting bees, which can be a danger to the team. Therefore, being in the field demands not only attention, patience, and skill, but above all, contentment in being part of this Pantanal scenery that is at the same time exuberant and so challenging.





Photo: Kefany Ramalho



Photo: David Ramos



Photo: Fernanda Fontoura



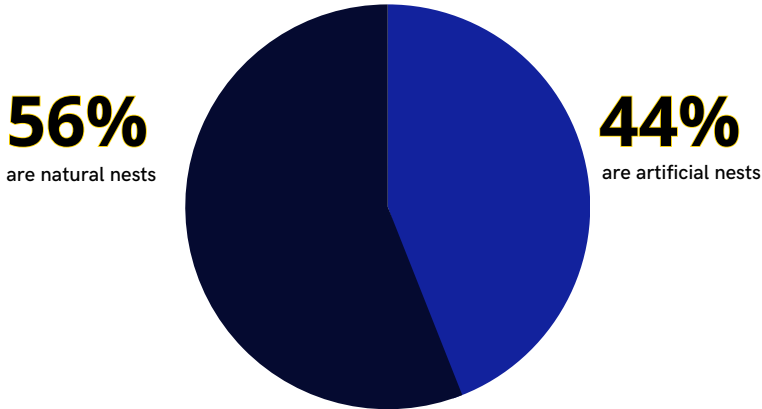
Photo: João Rezende



Photo: Kefany Ramalho

THE WORK IN NUMBERS

Of the nests monitored, the majority still remain natural cavities. However, artificial nests represent almost half of the nests monitored in this region (graph below).



This breeding season, 129 managements were carried out in 66 nests, both natural and artificial. The managements include: size reduction of the opening, elevation of the bed, draining, and installing a metallic band on the tree trunk to prevent predatory mammals from climbing on it.



WHERE THERE ARE HYACINTH MACAWS THERE ARE ALSO OTHER SPECIES

In the Pantanal, several species of animals use cavities at some point in their lives. Some occupy the nest only during the breeding season, others use it for sleeping or feeding. The Hyacinth Macaw plays a very important role in this scenario, since through its behavior of transforming small cavities into larger holes, it facilitates the occupation of large species such as ducks, vultures, other macaws, among other animals.

98

NESTS USED BY OTHER SPECIES

47

NESTS USED BY OTHER SPECIES FOR BREEDING

18

DIFFERENT SPECIES OCCUPIED THE NESTS



Photo: João Rezende



Photo: João Rezende



Photo: Donal Boyd



Photo: Everson Freitas

OTHER RESEARCH

Since 2021, the Hyacinth Macaw Project has been installing identification medals on chicks, and this technique contributes to the long-term monitoring and recognition of the individuals.

16

CHICKS
RECEIVED
IDENTIFICATION
MEDALS



Photo: Kefany Ramalho



Photo: Kefany Ramalho



Photo: Kefany Ramalho



Photo: Kefany Ramalho

THE ADOPT A NEST CAMPAIGN

YOUR ADOPTION IS VERY IMPORTANT!

This resource represents a significant part for the accomplishment of several actions of the Hyacinth Macaw Project, which includes monitoring activities, management, and making and installing artificial nests.



Photo: João Rezende



ADOPTED NESTS

The periodicity of the monitoring brings important information about the behavior and reproduction of the species that occupy the cavities, and through this data, a set of procedures is developed for the conservation of the Hyacinth Macaws and the environment as a whole.

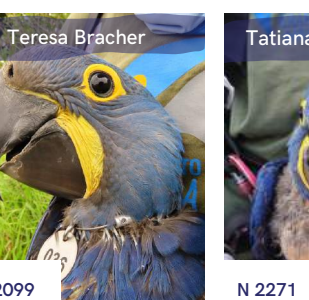
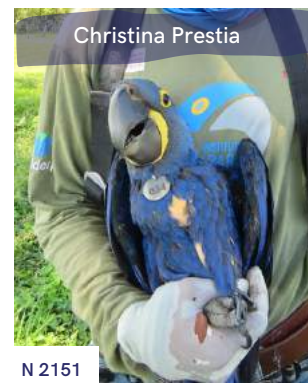
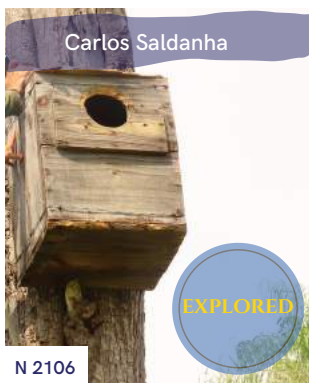
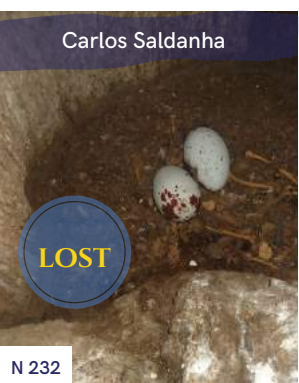
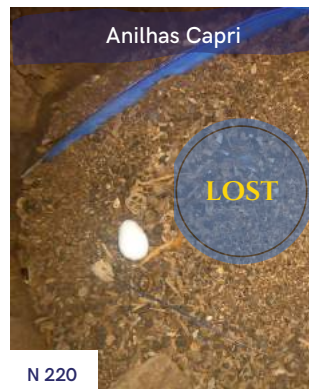
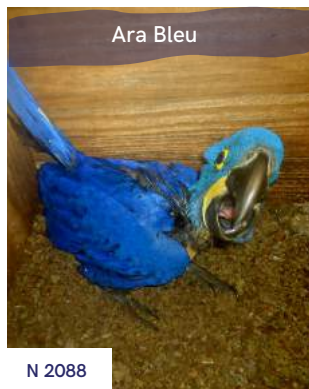


OF THE CHICKS, FLEW OUT FROM ADOPTED NESTS



Photo: Kefany Ramalho

NINTH EDITION: ADOPTED NESTS AND GODCHILDREN





ACKNOWLEDGEMENTS

Godfathers and Godmothers, the "Adopt a Nest" campaign has been of utmost importance in providing support to our research. The Hyacinth Macaw Project has been working uninterruptedly for 33 years and through all the combined efforts, the Hyacinth Macaw population has increased and expanded. However, studying this species in the wild is like putting together a big puzzle, because it requires effort, patience, and a lot of dedication.

Your sponsorship helps us to act on our different fronts, through environmental education, involvement with local communities, monitoring of Hyacinth Macaw populations, and installation and management of nests, which also benefit so many other species. As a result of this three-decade effort, countless scientific papers have been published in books, articles, and congresses in Brazil and abroad, as well as hundreds of press releases.

In the breeding season 2022-2023, the Hyacinth Macaw Project teams were in several rural properties in the Pantanal and Cerrado, monitoring and registering new cavities, giving lectures and disseminating the importance of biodiversity conservation. Only in the Miranda Pantanal region, 1291 monitoring sessions were carried out and through them we identified that the reproductive couples laid a total of 80 eggs and that only 24 nestlings flew from the monitored nests on the property. This further reinforces the importance of long-term monitoring of the species, since with all the efforts, management techniques that are constantly improved and intensified, even so, the conservation status of the species is delicate, which keeps us constantly on alert.

Therefore, we are very grateful to have you with us in this fight for the maintenance of this species that has also become a beautiful flag for biodiversity conservation. This year we are launching the 10th edition of this initiative and we will be very happy to continue counting on your partnership.



TEAM AND COLLABORATORS



NEIVA GUEDES
PRESIDENT / COORDINATOR



MANAGEMENT AND COMMUNICATION
EXECUTIVE BOARD, FINANCIAL BOARD, ENVIRONMENTAL EDUCATOR AND COMMUNICATORS



FIELD STAFF
BIOLOGISTS, ASSISTANTS AND VOLUNTEERS

REALIZATION AND SUPPORT



ARARA



MANDUVI



ACURI



BOCAIUVA



APOIO

