

2022 ANNUAL REPORT
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MANTIQUEIRA BIRD OBSERVATORY



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Burnished-buff Tanager
(*Stilpnia cayana*), OAMA's
symbol. By: Birds Atlantic.

Mantiqueira Bird Observatory

We are an independent non-profit organization for the study and conservation of Brazilian birds. Since 2018 we have worked in the Mantiqueira Highlands located in the Atlantic Forest.

As a bird observatory, we encourage *science-based conservation* by monitoring the Mantiqueira Highlands avifauna, producing and publicizing scientific knowledge, training young scientists, communicating science to the public, and carrying out environmental education. Thus, in addition to helping fill gaps in Brazilian ornithological knowledge, we work on science outreach by creating transformative experiences to inform, sensitize, and engage people.

As an institution committed to the United Nation's Decade on Ecosystem Restoration (2021-2030), OAMA's goals and objectives are aligned with these five Sustainable Development Goals:

<p>4 EDUCAÇÃO DE QUALIDADE</p> 	<p>Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.</p>
<p>11 CIDADES E COMUNIDADES SUSTENTÁVEIS</p> 	<p>Make cities and human settlements inclusive, safe, resilient and sustainable.</p>
<p>12 CONSUMO E PRODUÇÃO RESPONSÁVEIS</p> 	<p>Ensure sustainable consumption and production patterns.</p>
<p>13 AÇÃO CONTRA A MUDANÇA GLOBAL DO CLIMA</p> 	<p>Take urgent action to combat climate change and its impacts.</p>
<p>15 VIDA TERRESTRE</p> 	<p>Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.</p>



Students being guided through an exhibition of informative banners on Brazilian birds biology, ecology and conservation. By: Luísa Ritter.

Science Communication

WHERE TO FIND US:



Instagram



Facebook



Website



Youtube

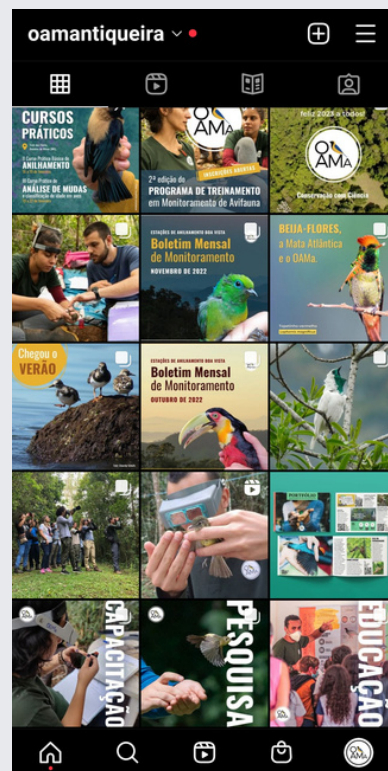
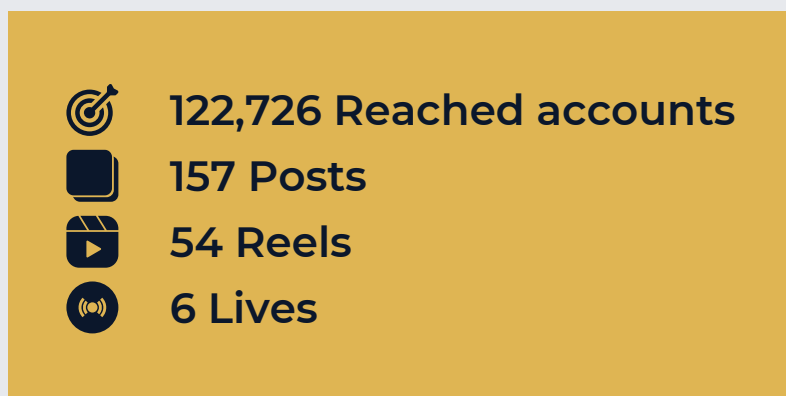
One of OAMA's goals is to raise awareness of the environmental causes and disseminate information on conservation, science, and biodiversity. And for that, it is essential to have clear and compelling communication. We seek to interact with different audiences, creating transformative and remarkable experiences.

2022 was the year to expand these experiences and bring us closer to the public. We continued to produce informative materials with accessible language for the internet on our [website](#), [YouTube channel](#), and on social networks: Instagram ([@oamantiqueira](#)) and Facebook ([/oamantiqueira](#)). OAMA and its projects were featured in the news on G1 (a national news portal) and on the CRBio-04 Blog (the regional council of biology), increasing our visibility.

We carried out three educational campaigns, participated in events in the Itatiaia National Park and Pedra Selada State Park, and distributed free informational materials to local communities. We also strengthened ties with teachers and schools in the region and received many visitors at our Field Station in Bocaina de Minas, MG.

Digital Flights Instagram and Youtube

Throughout the year, our Instagram account surpassed 5,800 followers, demonstrating growing interest in bird conservation, as well as the projects we develop.



We also uploaded nine presentations on YouTube. These videos were produced by trainees from the Avifauna Monitoring Training Program. Topics include: “Why band birds?”, data collection, the ecological importance of birds, and more.



OAMa in the News

OAMa was the subject of two blog articles on the Regional Council of Biology (4th Region). The first one provided the [results of an event in which we launched our “Atlantic Forest Endangered Birds” coloring book](#). The second one was an [advertisement for the practical courses](#) we held at the Field Station in the second semester of 2022. Both the coloring book and the courses were funded by the Publications and Events Support Program (PAPE).

In another piece of news, but this time in the G1 News Portal of South of Rio and Costa Verde, [covered the creation of OAMa](#), our projects, and the multiple ways to support the continuity of the independent organization.



Coloring Book Launch

In 2021, we made the “Atlantic Forest Endangered Birds” coloring book [available for download from OAMa’s website](#). The book was conceived and produced by OAMa and collaborators of the National Action Plan for the Birds of the Atlantic Forest. We had the support from CRBio-04’s Notice PAPE n.º 002/2021 to print 3,500 copies. Distribution was carried out by the National Center for Research and Conservation of Wild Birds (CEMAVE/ICMBio).

Children coloring illustrations of endangered birds native to the Atlantic Forest.
By: Luísa Ritter.



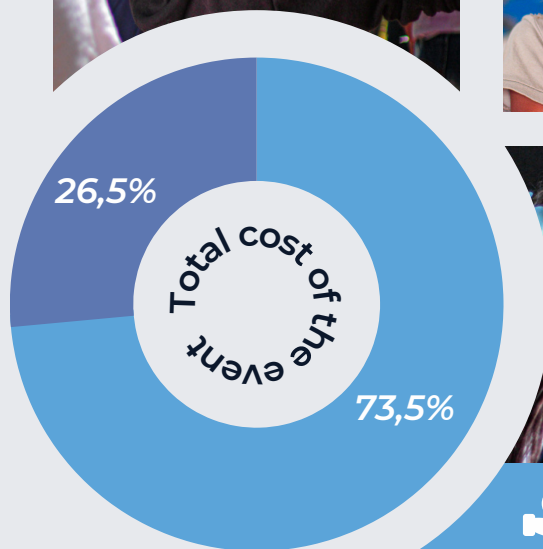
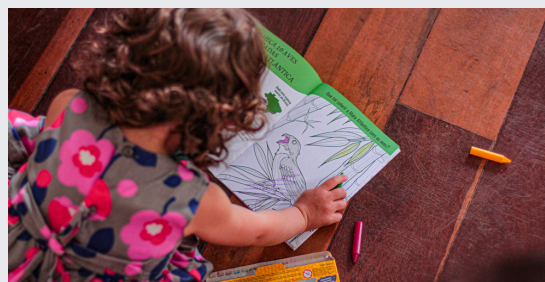
Coloring Book



The in-person launch event took place on February 13, 14, and 15, 2022, at the administrative headquarters of da Pedra Selada State Park (PEPS) in Visconde de Mauá, Rio de Janeiro. Over the course of three days, we welcomed **260+ visitors, including 190 students from local schools**. We presented colorful and informative panels about the reproduction, diversity, threats, and the study of birds. We showed our short documentary “Juçara: Consumption and Conservation” and distributed palm tree seeds and our “Everyday Ornithology” booklets. We also went birding with the students, introducing them to the use of binoculars, giving them tips on how to birdwatch, and teaching the importance of conserving natural environments.



By: Luisa Ritter.



BLR 3,629.30 (73,5%)
CRBio-04 support.

BRL 1,008.06 (26.5%) funded
by donors and affiliates.

We thank everyone who participated and contributed to the **success of this science outreach event!** Especially to our donors and affiliates, who funded 26.5% of our event’s expenses. Also to **Paloma Carreño**, a geography teacher at Antônio Quirino State School and our pedagogical collaborator, who helped us with inviting and organizing the participation of dozens of children and adolescents in the activity.



Affonso Souza presenting a lecture called "Aves Montanhistas" to the public in the Itatiaia National Park. Sales and distribution of OAMA products. Guided birding walk in Pedra Selada State Park. Lecture photos: Birds Atlantic.

Mantiqueira Mountain Season Openings Itatiaia National Park and Visconde de Mauá village

In June, the first Mountain Season Openings took place in the Itatiaia National Park and in Visconde de Mauá. These events aim to connect mountaineers and lovers of mountains and nature, to promote ecotourism and to celebrate the arrival of the best time of the year for sports, trails, hiking, and many other activities in the Mantiqueira Highlands.

We talked about the importance of bird observatories in creating bridges between science, conservation, and society, highlighting OAMA's projects and programs; and our future plans. We did so by presenting informative panels, distributing booklets, taking people on birding walks, and giving lectures about the altitudinal migration of Neotropical birds, such as, the Velvety Black-Tyrant (*Knipolegus nigerrimus*) and the Yellow-legged Thrush (*Turdus flavipes*).



Team planning interactive environmental education activities.

Amerek Experimentation and Innovation Laboratory

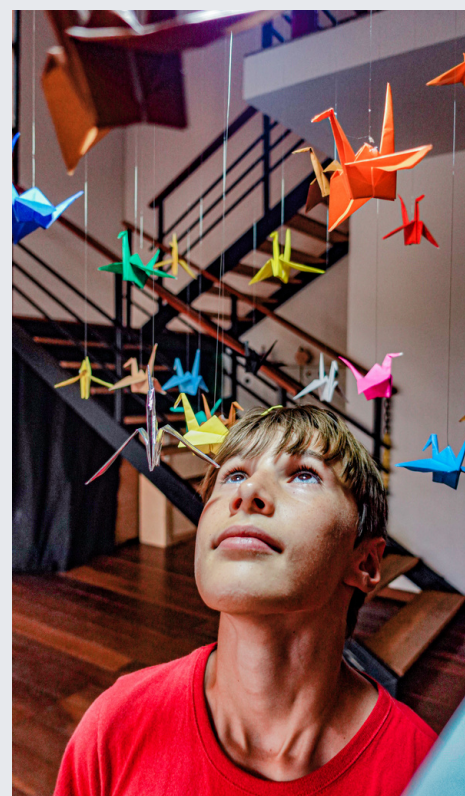
In July, we participated in **Amerek.Lab**, a project for innovation and experimentation in science communication. In this collective learning space, we collaborated with a multidisciplinary team under the supervision of mentors with expertise in science dissemination and communication. The result of this work was the elaboration of a prototype of four sensory artistic installations on anthropic impacts that affect birds.

Our objective was to use different perspectives to enrich the development of the **Bird-Friendly Actions Campaign**. The project was designed to be flexible and replicable in schools, exhibition centers and science and technology museums. OAMA thanks Amerek, the Federal University of Minas Gerais (UFMG), Silo Arte e Latitude Rural, the Serrapilheira Institute, the Wild Animal Screening Center of Minas Gerais (CETAS MG) and all other participants for the opportunity to learn, collaborate and create together.

Bird-Friendly Campaign

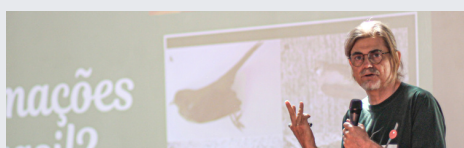
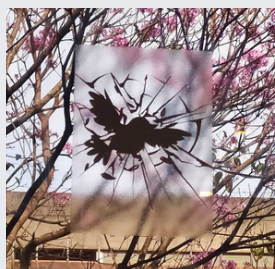
On a daily basis, human behavior, directly and indirectly, negatively affects bird populations. Most of these human behaviors are collective, however some changes in individuals' habits can prevent the death of hundreds of birds.





We launched the Bird-Friendly Actions Campaign to present to the Brazilian public environmental problems and negative anthropic impacts on avifauna that can be mitigated with simple actions in people's daily lives, favoring the conservation of birds and their habitats. The impetus of this campaign is due to OAMA's collaboration in the Bird Friendly Coalition (Smithsonian Institute), a network committed to supporting and innovating bird conservation approaches in various sectors.



Child interacting with light pollution sensory installation. By: Luisa Ritter.

On September 9th and 10th, 2022, we hosted residents and tourists from the Visconde de Mauá (Rio de Janeiro) region to the campaign's launch at Pedra Selada State Park.



-  **40,500+ Reached accounts**
-  **70+ Visitors**
-  **8 Local partnerships**
-  **3 International partnerships**

The event included: a cocktail opening on Friday night. Exhibition of sensory installations combining art and science to evoke people's empathy for birds. Lectures by specialists in glass collisions, noise pollution, wild animal trafficking, bird watching, and ecotourism. Distribution of informative folders on how to be bird friendly. Proposition of a citizen science group to report collisions with glass in the local communities. Public consultation on the bird symbol of Visconde de Mauá Village. Birding walks. Photos by Luísa Ritter and Márcia Vieira.

Thank you to our team of trainees, volunteers, supporters, promoters, affiliates and donors, who worked to make our community more bird friendly. This campaign was supported by CRBio-04's Notice PAPE n.º 001/2022.



Bird-Friendly
Actions
Website

Change needs all of us to participate!

Jacuçara Campaign

The *Jacuçara* Campaign aims to publicize the importance and promote the conservation of two endangered species: the Black-fronted Piping-Guan (*Aburria jacutinga*), a bird exclusive to the Atlantic Forest; and the juçara (*Euterpe edulis*), a palm tree whose fruits are the Black-fronted Piping-Guan's favorite food. The National Action Plan (PAN) for the Conservation of Birds in the Atlantic Forest conceived this campaign, which was organized in partnership with other institutions, such as OAMA.



Jacutinga feeding on juçara palm fruits. By: Birds Atlantic.



Launch of the documentary at Parque das Aves.



-  **1M+ Reached accounts**
on Instagram and Facebook
-  **48,000 Engagement on posts**
-  **86,000 Visitantes**

The campaign had a in-person event at Parque das Aves, in Foz do Iguaçu (Paraná). Among the activities, there was the official release of the documentary "To reconnect people to birds: PAN Birds of Atlantic Forest", available on Youtube. The film seeks to introduce people to the home of fantastic birds and to inspire them about the importance of preserving the fauna and flora of one of the most endangered biomes in the world. Another product of the campaign was the Jacuçara web page, hosted on the OAMA website, where we gathered information on the conservation of the Black-fronted Piping-Guan and the juçara palm tree. The web page is a collective construction to promote the connection between society, conservation, consumers, and also sustainable juçara producers and extractors.



Jacuçara Website



PAN Documentary

Let's Go Birding RJ

We took part in the Let's Go Birding RJ (*Vem Passarilhar*) at the Pedra Selada State Park, which took place between December 3rd and 4th, with bird guides, an exhibition of the Bird Friendly installations, and a presentation on the Observatory and its projects.



Affonso Souza and participants of Let's Go Birding RJ.
By: Paulo Motoyama.



85 Bird species registered



17 Bird watchers

OAMa Inside Schools

Bringing children and teenagers closer to nature is one of the most important tasks for the creation of environmentally-conscious citizens. OAMa was invited to offer activities that would bring students from Rio de Janeiro, São Paulo, Minas Gerais and Paraná closer to the environment. Between April and May, we worked alongside teacher Renata Mercês to teach an elective class on Environmental Education to high school students from Antônio Quirino State School, in Visconde de Mauá. The final product of this elective was the school's first bird guide. In April, an online lecture/presentation was conducted for 20 elementary school students from the Santa Terezinha State School, in Paraná, with the theme: "Why do birds matter? Biodiversity, functions, and observation", at the I BioEduca event: Biodiversity and Environmental Education. And in September, we gave a virtual presentation to 100 elementary school students from Graded School, in which we introduced the concept of



biomes, using the Atlantic Forest and its birds as an example. During these activities OAMa focuses on basic ecological and environmental concepts and themes in ways that students and the public can easily relate to in their everyday lives.

Students during birding walk in the garden of Antônio Quirino State School.

Scientific Tourism at the OAMa Field Station

Throughout 2022, we received several visitors and carried out various activities, such as, scientific tourism, research, artistic residency, and training at our field station.



Easter Retreat, with a focus on guided birding walks along the trails of the Fazenda Alto da Boa Vista Reserve. Photography course in partnership with Birds Atlantic.



Bird banding demonstrations, an opportunity to bring citizens of all ages closer to birds and scientific research. 1st and 3rd photos by: Márcia Vieira.



Artist residencies with [Marylou Sharrock](#) and [Nicolas Henry](#).



Airbnb Page

The doors of the OAMa Field Station are open to guests, whether you are an artist, researcher, or tourist. All are welcome! For more information about accommodations and our location, visit the [OAMa website](#). Make your reservation through [Airbnb](#).



Banded Brassy-breasted
Tanager (*Tangara desmaresti*).
By: Emilia Roberts.

Long-Term Monitoring

In 2022 we concluded the fifth consecutive year of the standardized long-term bird monitoring program. Biodiversity monitoring is a fundamental tool for planning environmental preservation and conservation actions. The patterns identified from the collected data serve as parameters of environmental quality, and allow us to assess possible ecosystem alterations and its consequences in the region. The data also brings advances in general ornithological knowledge.

Our sampling is done by the capture-mark-recapture method (banding) with mist nets and integrated with the listening-points method. The first method allows us to collect specific data from each individual (such as anatomical measurements, body conditions, molting activities, age classification, etc.), and, consequently, to identify more specific demographic (and species natural history) patterns. With the second method, we complement the information about the occurrence and occupation of species in the area, learning about spatial and temporal patterns in the avifauna community.



Pin-tailed Manakin (*Ilicura miliraris*) recaptured in mist net.

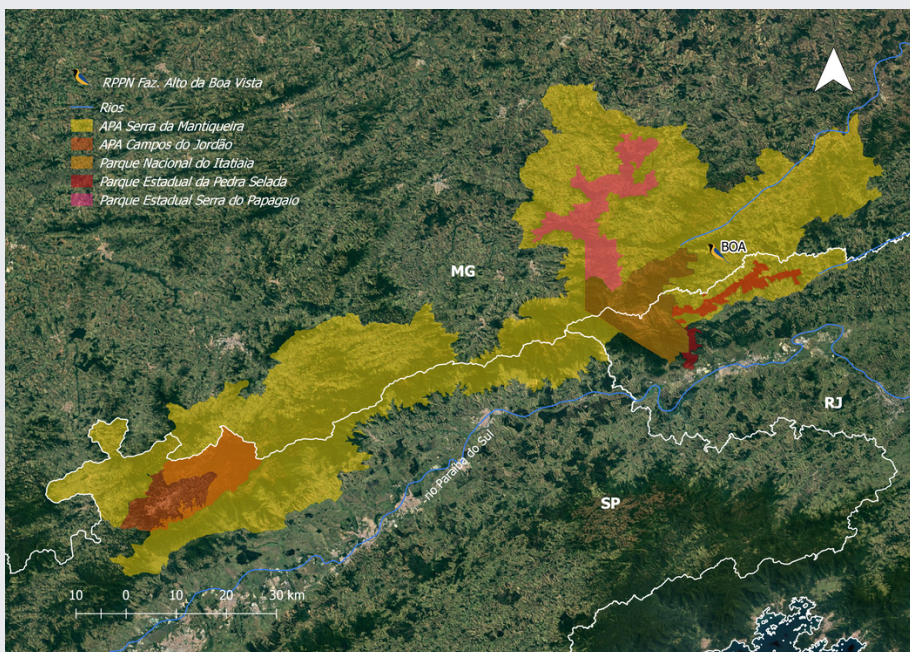
André Menini,
Avifauna Monitoring
Training Program
student, extracting a
Black-goggled Tanager
(*Trichothraupis
melanops*) from the
mist net.



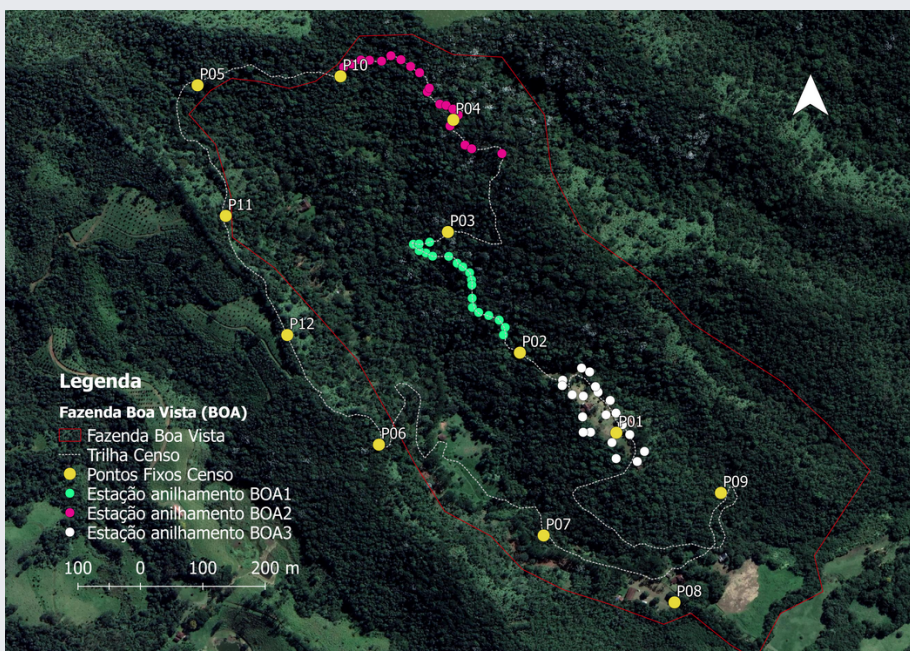
Danielle Santos,
Monitoring Assistant,
recording audio of bird
vocalizations during a
monthly census.



This year, we intensified our sampling effort with the addition of two new bird banding stations. We operate in three banding stations (BOA1, BOA2 and BOA3), each one with 20 mist nets at fixed points. All are located in the Private Natural Heritage Reserve (RPPN) "Fazenda Alto da Boa Vista", in Bocaina de Minas (MG). The study area covers different types of environments, such as, forest, forest edge, and open or semi-open areas. The local vegetation is a secondary dense montane rain forest in an advanced stage of regeneration. The Boa Vista forest is part of the Serra da Mantiqueira Environmental Protection Area and connects with the protected forests of the Itatiaia National Park. The altitude of our sampling area varies between approximately 1000 and 1200 meters.






Mantiqueira Highlands, in the Atlantic Forest biome. Federal and State protected areas, and active OAMA banding stations are highlighted on the map.



Mist nets from BOA1, BOA2 and BOA3 banding stations, and listening points, all located inside the Fazenda Alto da Boa Vista Reserve limits.

In general, two bird banding mornings were conducted weekly with rotation between the three stations. Between January and December of 2022, we carried out 73 mornings of sampling, totaling an effort of 6,772.3 net*hours. Speaking more specifically of each station, 29 mornings were held in BOA1 (2748.6 net*hours), 22 mornings in BOA2 (2059.83 net*hours) and 22 mornings in BOA3 (1963.8 net*hours).

1668 Birds captured

-  767 Newly banded birds
-  647 Recaptures
-  254 Unbanded birds



112
bird species
captured!



Southern Black-throated Trogon (*Trogon chrysochloros*), Frilled Coquette (*Lophornis magnificus*), Swallow-tailed Manakin (*Chiroxiphia caudata*; By: Anelise Scavassa), Rufous-capped Motmot (*Baryphthengus ruficapillus*), Red-breasted Toucan (*Ramphastos dicolorus*), Fawn-breasted Tanager (*Pipraeidea melanonota*) e Bicolored Hawk (*Accipiter bicolor*).

Sampling with fixed listening points was carried out on a monthly basis, covering 12 points. There were 20 mornings of listening points, resulting in 20 sampling hours throughout the year, with the recording of more than 150 bird species.

Top 10 captured bird species in 2022:



1° Swallow-tailed Manakin (*Chiroxiphia caudata*), 2° Black-goggled Tanager (*Trichothraupis melanops*), 3° Golden-crowned Warbler (*Basileuterus culicivorus*), 4° White-browed Warbler (*Myiothlypis leucoblephara*), 5° Scale-throated Hermit (*Phaethornis eurynome*), 6° White-shouldered Fire-eye (*Pyriglena leucoptera*), 7° Ruby-crowned Tanager (*Tachyphonus coronatus*), 8° White-throated Spadebill (*Platyrinchus mystaceus*), 9° Violet-capped Woodnymph (*Thalurania glaucopis*), and 10° White-necked Thrush (*Turdus albicollis*).

Top 10 recorded bird species in 2022:



1° White-browed Warbler (*Myiothlypis leucoblephara*), 2° Golden-crowned Warbler (*Basileuterus culicivorus*), 3° Rufous-browed Peppershrike (*Cyclarhis gujanensis*), 4° White-shouldered Fire-eye (*Pyriglena leucoptera*), 5° Yellow-olive Flycatcher (*Tolmomyias sulphureus*), 6° Swallow-tailed Manakin (*Chiroxiphia caudata*), 7° Rufous-crowned Greenlet (*Hylophilus poicilotis*), 8° Olivaceous Woodcreeper (*Sittasomus griseicapillus*), 9° Crested Oropendola (*Psarocolius decumanus*), 10° Green-winged Saltator (*Saltator similis*).



Trainees working together to collect data during a banding morning. By: Emilia Roberts.

Capacity Building and Training Program

We believe that promoting technical training opportunities is a way to contribute to the development of quality science in Brazil. To achieve this goal, we developed and offered theoretical and practical courses, and the opportunity for immersion training focused on bird banding techniques, ethics, bird welfare, and data quality.

Avifauna Monitoring Training Program

In 2022 we started the Avifauna Monitoring Training Program. This program has always been one of OAMA's goals, and in 2022 we were able to make that dream come true. It aims to create **intensive, long-term and immersive training opportunities for field ornithologists in Brazil**. As far as we know, this is the first program with this approach in the country. Each trainee resided at the OAMA Field Station for 3 months and received a food allowance of BRL 450,00 every month. In addition to practical instructions, we offered study materials, theoretical classes, seminars, group discussions, and more.

Between February 1st and November 7th, 2022, we intensively trained six **young ornithologists** in bird monitoring techniques, focusing on bird banding. These professionals, from different areas of the country, are now qualified to carry out bird banding activities, complementary methods of sampling and monitoring of avifauna with safety, agility and high quality in data collection. In addition, they became knowledge multipliers in their areas of operation.



Trainees collecting data during a banding morning.
By: Cecília Licarião.

In total, there were **nine months of training**, which included presentations and discussions that resulted in the production of the nine seminars that are now available on our YouTube channel.



Trainees handling birds during data collection on a banding morning.

2022 Trainees



Otávio Rocha

Biologist, 25 years, Fortaleza (CE)
90 birds handled

"It is inevitable not to fall in love with the Mantiqueira Highlands, the birds and the field work. This immersion transformed the way I view these animals and the research possibilities we can carry out."



André Menini

Biologist, 25 years, Caieiras (SP)
104 birds handled

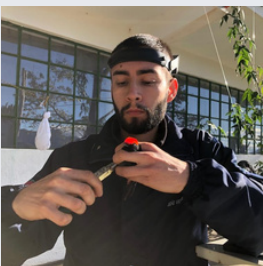
"The program made a total difference in my education, after all, there aren't many opportunities to learn about the bird banding technique correctly in Brazil and I'm sure I had the best teachers. Being a trainee at OAMa opened my mind to several possibilities in ornithology."



Danielle Santos

Biologist, 23 years, Palmas (TO)
165 birds handled

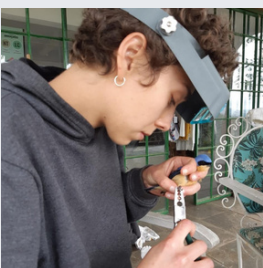
"The program was undoubtedly an opportunity to start in ornithology with a very high quality preparation. I arrived at OAMa not knowing how to hold a bird with my hands, and today, with the excellent instructions I had, I am able to capture birds and collect data safely, quickly and efficiently."



João Ferrari

Biologist, 24 years, São Borja (RS)
127 birds handled*

"This training experience was very significant to me. It enabled me to acquire new skills and mature my decisions. It was a pleasure to participate in the OAMa bird monitoring training program."



Gabriela Inhesta

Biologist, 24 years, Curitiba (PR)
41 birds handled*

"Being immersed in nature and doing field work with birds is the realization of a big dream and this was certainly the most beautiful and enriching experience I've ever had. I am feeling very accomplished and confident that I can perform a quality job."



Luiz Gonzaga

Biologist, 22 years, Foz do Iguaçu (PR)
136 birds handled

"I learned a lot about the local fauna and new methodologies. I intend to use all the knowledge acquired in new projects and consultancy. The Field Station is wonderful and I feel very happy to have been part of this excellent team."

We thank our donors and affiliates for believing in OAMa and allowing us to have a growing impact on Brazilian science.

Technical Courses

Training professionals to use Ornithological study and research techniques is essential to ensure quality work and data collection, as well as for the welfare of the animals.

In 2022, we offered **five courses** for students from **all over the country**. The topics were bird banding techniques, molt analysis, and age classification in birds. We offered **three theoretical/online modules**, one of them in partnership with the Birds of Noronha Project. And **two other practical modules** were carried out at the RPPN Fazenda Alto da Boa Vista (Bocaina de Minas, MG) over the course of six mornings of intensive banding and a lot of learning. Our practical courses, even in short duration, provide the necessary tools for development and technical growth based on the pillars of bird safety, researcher safety, and high quality data.



Burnished-buff Tanager (*Stilpinia cayana*), White-barred Piculet (*Picumnus cirratus*) and Green-winged Saltator (*Saltator similis*) banded during practical courses. Class of the practical course on bird banding. Students of the practical course on molt analysis learning how to properly handle a bird and how to collect data. By: Anelize Scavassa.

In total, we trained more than 170 students and professionals, most of them in the first years of their careers. About 65% of the participants of the theoretical courses on molt analysis had their first experience with the technique during the online classes, which shows a scarcity of training in Brazil. We also noticed this shortage due to the very high demand for registrations. The five courses were positively reviewed by all students in terms of didactics and quality of content. In addition to this, 100% of the students would recommend the experience!

"The course opened up a world of possibilities, apart from inspiring us."

"The content is important and broadens the horizon of age classification in birds, which is usually very restricted."

"Thank you Luiza, Affonso and the OAMa Team for having us and being willing to share such rich knowledge with so much didactics and patience. Thank you for sharing this little paradise, it was incredible to get to know the diversity of the Atlantic Forest up close. I learned so much! Much more than I imagined I would be capable of in just 7 days. Congratulations on your initiative. After learning about the research and the projects, I was extremely delighted to see the professionalism and commitment to doing quality and relevant science, training future researchers and involving local and national communities with a creative and captivating Environmental Education. Eternal gratitude."

"I liked your didactics. I think it is very important to take a course from which the teachers, in addition to bringing a lot of knowledge, have a fundamental mastery of didactics. Congratulations on your harmony, one was always there to complement or help what the other was unable to answer at the time. Congratulations on your work, there is much more than knowledge and competence, there is a lot of love involved."

Burnished-buff Tanager (Stelipinia cayana)
By: Anelize Scavassa.

Scientific Immersions

On April 1st, four biologists from the Birds of Noronha Project (Espaço Silvestre Institute) – Cecília Licarião, Maiara Geisiane, Larissa Nayara and Gabriela Arnoso – landed at OAMa Field Station. The purpose of getting this mixed flock together in the Mantiqueira Highlands was to exchange technical experiences and calibrate both projects in field sampling methods. Both organizations carry out long-term monitoring of avifauna. This type of exchange and immersion allows us to continuously improve the quality of our data, and provide us the opportunity to discuss ideas on how to take the birdwatching tourism in Mantiqueira and Fernando de Noronha to another level.



Luiza Figueira explaining to the Birds of Noronha team how the observatory's monitoring program works. OAMa and Birds of Noronha teams together at the BOA2 banding station. By: Cecília Licarião.

We also carried out other scientific partnerships. We received a visit from Dr. **Ralph Maturano**, professor at the Federal University of Juiz de Fora, who joined us on a day of field work and sought to align possibilities of collaborative research projects on bird ectoparasites.



Taxidermy workshop . By: Emilia Roberts.

And we welcomed the ornithologist and researcher from Minas Gerais, **Marcelo Vasconcelos**, curator of the ornithological collection of the Pontifical Catholic University (PUC) of Minas Gerais museum. Marcelo shared his knowledge about taxidermy and curatorship process, and later took the six skins of the taxidermied birds at the Field Station to the museum's collection.

2022 CEMAVE Course

OAMa attended the 2022 CEMAVE bird banding course, the first since 2019. Our Project Coordinator, Affonso Souza, was invited to be a part of the team of instructors for the course. Our Communication and Science Outreach Assistant, Otávio Rocha, was also present at the course. He participated as a student and observer, sharing with the rest of the class what he learned during OAMa's Avifauna Monitoring Training Program.

On this trip to Paraíba, northeast Brazil, we were able to discover new natural landscapes and bird species; work in collaboration with CEMAVE professionals; and be inspired by thought-provoking conservation projects. It was a pleasure to expand our network of contacts and collaborations.

OAMa thanks ICMBio/CEMAVE for the invitation and for the partnership!



Students and instructors handling birds and collecting data at the banding station. By: Caroline Cooke.



Consultancy

Rural property where actions from the Water and Forest Producers Program (PAF) are carried out in Rio Claro - RJ.
By: Alex Ferro for the Collegiate Guandu Committee.

As a means to meet OAMa's fundraising and economic viability goals, we provide consulting services and project execution related to ornithological research, professional training, promotion of ecotourism, and environmental education.

This year OAMa is being represented by our general coordinator, biologist Luiza Figueira, in the provision of Environmental Education services for the Pro-Management Association of the Waters of the Hydrographic Basin of the Paraíba do Sul River (AGEVAP). We were hired to lead the Environmental Education actions for (Re)Forest, Water and Carbon, an extension project of the Water and Forest Producers Program (PAF) – Guandu/RJ. Among the planned actions are the preparation and execution of short courses on Forests and Climate Change with the school community, training courses for rural producers in Agricultural Good Practices and Reforestation, training events for socioeconomic and environmental development, and communication and dissemination of the project and its themes of action with the public.

The project is carried out by AGEVAP with funding from the Guandu, Guarda and Guandu-Mirim River Basins Committee (Guandu Committee) and Petrobras.



Volunteers, trainees, assistants, coordinators and a OAMA partner during the Bird-Friendly Actions Campaign launch. By: Márcia Vieira.

Volunteering

We continued with the second year of the Volunteer Program. We sought to develop activities that were true exchanges of learning, both productive for our organization and beneficial for the growth of each volunteer. We worked virtually with a team of six volunteers and one scholarship holder. This team worked on scientific outreach, bird monitoring, file management, and map production. Among the products delivered in this program cycle, we had the research and content synthesis of the Bird Friendly Actions Campaign, published on the OAMA website and in six thematic informative folders, in addition to thirteen posts of scientific and institutional communication on social networks. We also had the contribution of volunteers in writing, translation and illustration.



Brochure on Trafficking and Caging of Wild Birds, part of a series of six brochures produced for the Bird-Friendly Actions Campaign.

Bird-Friendly Actions Campaign Website.



Science outreach posts for social media.



Karine Resende, bird monitoring scholarship holder, collecting data. By: Marcia Vieira.



Andreza Freitas, science outreach volunteer, opening a lecture at the in-person event of the Bird-Friendly Actions Campaign. By: Marcia Vieira.



Origami workshop held during the face-to-face event of the Bird-Friendly Actions Campaign. By: Marcia Vieira.



Rafaela Ferneda and Ruan Vaz, science outreach volunteers, accompanying birdwatchers on a guided birding walk in the Pedra Selada State Park. By: Luísa Ritter.



Burnished-buff Tanager
(*Siltpnia cayana*).
By: Birds Atlantic.

Partnerships and Collaborations

OAMa is very grateful to all partners and collaborators who identify with our mission and values. Thank you for boosting our efforts and enhancing the positive impacts on bird conservation in the Atlantic Forest. We are pleased to recognize the following institutions and individuals that have been involved in research, professional training, and environmental education throughout 2022.

Institutions



Antônio Quirino State School
Amerek/UFMG
Armazém Mauá
Bem Brasil - Mauá Store
Bird Friendly Coalition (The Smithsonian Institution)
Birds Atlantic
Birds of Noronha Project (Espaço Silvestre Institute)
Café Bambu Restaurant
Colabora Nóbrega Store
Curupira Sustentável Store
Delícias da Mantiqueira
Fazenda do Mel Inn
Jardim da Luz Inn
Juçara Viva
Klamath Bird Observatory
National Action Plan for the Conservation of Birds in the Atlantic Forest
National Center for Research and Conservation of Wild Birds - CEMAVE/ICMBio
Ornithological Collection of the Museum of Natural Sciences at PUC Minas
Pedra Selada State Park
Regional Council of Biology 4th Region
Serrapilheira Institute
Saflex
Silo Arte e Latitude Rural
Visconde de Mauá Apaixonante
WindowAlert



Individuals

Ana Laura Dutra
Ananda Bevacqua
Dirlene Martins
Emília Roberts
Ellen Campbell
Gabs Ramos
Gabriel Martins
Humberto Mohr
Jorge Lucas Moreira
Juliana Rosa

Junior Archanjo
Karolina Zamlutti
Larissa Amaral
Leonardo Marujo
Lino Matheus
Luísa Ritter
Luiz Ribenboim
Marcelo Vasconcelos
Miguel Rocha
Paloma Carreño

Paulo Estevão Rodrigues
Rafaela Lacerda
Ralph Maturano
Renata Miwa
Rene Amaral
Samiris Freire
Sebastián Szyd
Simone Coimbra
Thaís Nunes
Veronica Lago Battezzini



Surucua Trogon (*Trogon surrucura*). By: Birds Atlantic.

Support Science-based Conservation

OAMa aims to promote an ever stronger connection between science, society, and conservation. Because we know that scientific knowledge provides means for a future with more birds, quality of life, and resilience to the climate crisis. However, all actions carried out by the observatory are only possible thanks to community support. This support represents 49.5% of OAMa's funds, which is the driving force that gives life to our projects and programs; and allows us to continue working for the democratization of science and the creation of transformative experiences to inform, sensitize, and engage people.

We thank everyone who supports Science-based Conservation. Our team is continually making efforts to honor your generosity. We hope that every person who supports or has supported OAMa is proud to be part of this initiative.



How Can I help?

Routes to support OAMa are diverse. With just a few clicks you can do a lot for research, scientific outreach, and biodiversity conservation.



SHARE OUR ACTIONS AND EXPAND OUR SUPPORT NETWORK

The simple act of inviting family members, friends, and colleagues to get to know OAMa is already very significant. The growth of our flock brings greater relevance to the observatory on the national and international scene, and facilitates the construction of new partnerships for conservation.



PURCHASE USE.OAMa PRODUCTS AT PARTNER STORES

The *Use.OAMa* brand celebrates the diversity of birds in the Atlantic Forest and are created in socio-environmental responsible ways. 100% of Use.OAMa sales profit is donated to OAMa. Use.OAMa products are sold through partner stores and through our online catalog.



T-shirt "Love is a nest, never a cage", part of the *Use.OAMa* collection.

WHERE TO BUY USE.OAMa PRODUCTS:

Colabora Nóbrega
[@colaboranobrega](#)
Nóbrega Street 131, Jardim Icaraí, Niterói, RJ.
In-person and online sales.
+55 (21) 9.9947-9965

Curupira Sustentável
[@lojacurupirasustentavel](#)
Vale dos Duendes Mall, 20th store, Penedo, Itatiaia, RJ.
Face-to-face sales.
+55 (24) 9.9965-0008

Guió
[@lojaguio](#)
Aldeia dos Imigrantes Village, Visconde de Mauá, Resende, RJ.
Face-to-face sales.
+55 (24) 9.9989-9086



View of the mountains from the balcony of the OAMa Field Station.
By: Emilia Roberts.



**GET TO KNOW
OUR WORK UP
CLOSE AND
ENJOY NATURE**

Come to OAMa Field Station, in Bocaina de Minas (MG). Our AirBnB is open to guests interested in birdwatching, science, relaxing with nature, and getting closer to wildlife.



**MAKE A
DONATION
OR BECOME
AN AFFILIATE**

You can make recurring or one-time donations of any value to boost OAMa's goals and objectives. You can donate through these websites:

- [PayPal directly to "Observatório de Aves da Mantiqueira"](#)
- [Klamath Bird Observatory's website](#)



**SPONSOR OUR PROJECTS
AND ASSOCIATE YOUR
BRAND WITH BRAZILIAN
BIRD CONSERVATION**

With the expansion of collaborations and growing institutional recognition, OAMa intends to go further. Therefore, we

invite local and international organizations, with compatible values, to support our programs and projects and fly higher together. By supporting us, your company contributes to **five UN Sustainable Development Goals**. We are happy and available to provide more information about our actions, how your company can contribute and what the counterparts would be. Contact us through assessoria@oama.eco.br.

2022 Affiliates

Acácio Araújo e Melissa Alves
Ana Carolina Monteiro
André Basílio Ayres Tavares
Anelize Scavassa
Barbara Vasconcelos Abbondati
C. J. Ralph
Carolina Vannier Borges
Dirlene Ribeiro Martins
Edgar Powarczuk
Ellen Campbell
Francisco Almeida Rocha
Gabriel Martins
Gaby Canosa
Ilda Fátima de Deus
Jim Stelson
João Victor Ferrari da Silva
Joelma Maria da Cruz
Júlia Martins
Julia Rodrigues
Luma Amaral
Marcia Moreira dos Santos Chieriegatti

Maria C. Castro
Maria Denise S. C. M. Lopez
Maria Luiza Coimbra
Maria Luiza Pedrosa
Mauricio Cesar Sinicio Abib
Natalia de Castro
Paulo Estevão e Eloisa Viellas
Paulo Locatelli
Rafaela Vitti Ferneda
Rafaella da Mata
Raquel Justo Santos
Regina Noronha
Renata Mercedes Leite
Rone Fernando de Carvalho
Rosana Rita Folz
Rosineide da Cruz Almeida Rocha
Silvana Buzato
Stefano Avilla
Thayssa Alves Coelho da Silva
Vinicius Kohn

These affiliates were OAMa members throughout the year.

Thank you to everyone who engaged with our team. We gently invite everyone to keep flying with us for another year. It is YOU who keeps the gears at OAMa turning.



Trainee releasing Black-goggled Tanager (*Trichothraupis melanops*) after data collection during monitoring.
By: Bird Atlantic.

2022 Donors

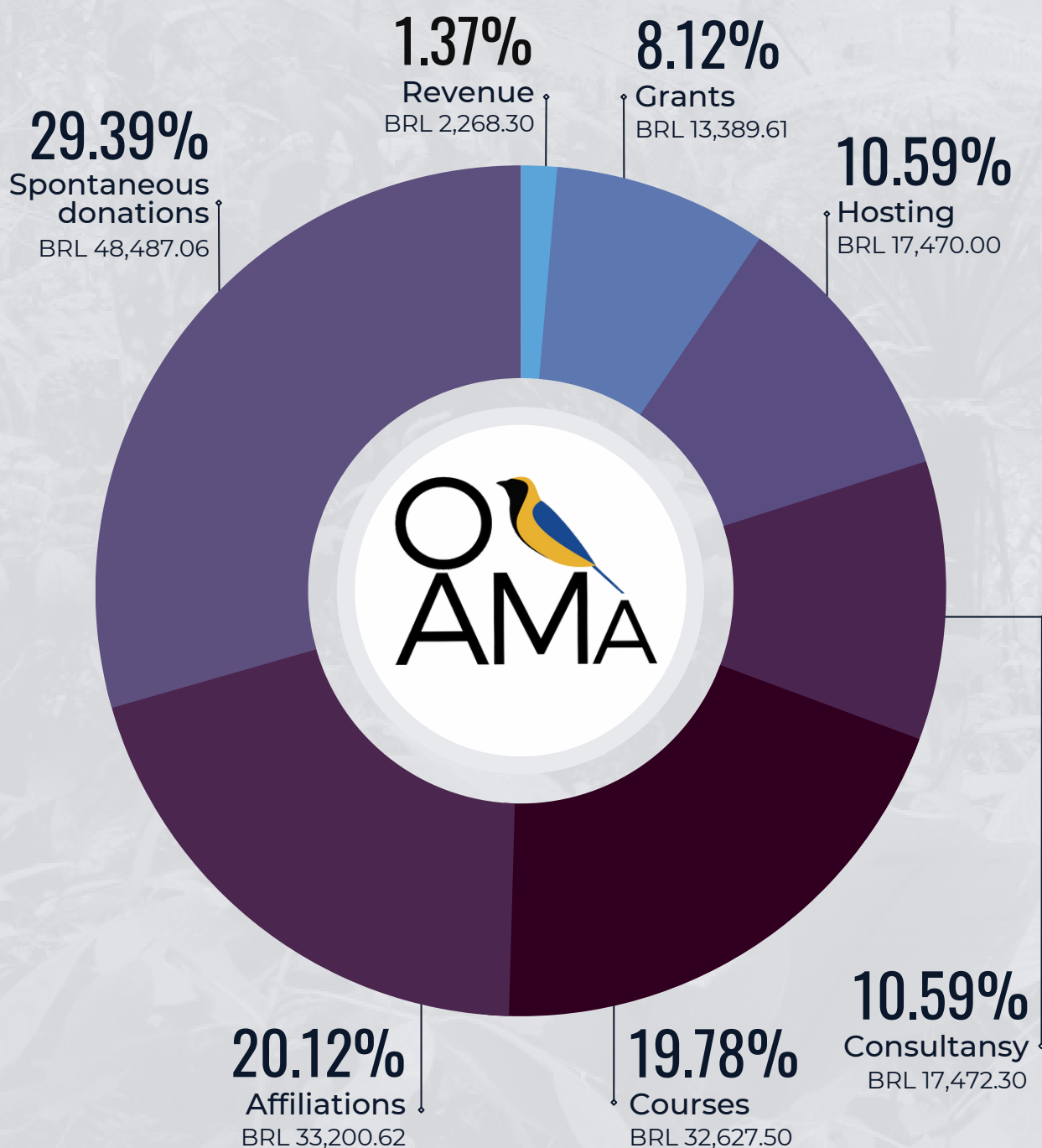
Affonso Henrique de Souza
Augusto Milagres e Gomes
Barbara Settles
Carol Munro Ross
Deven Kammerichs-Berke
Douglas Antonio M Barbin
Greg Conaway
Lourdes Arasy
Luiza Figueira
Luiza Pereira
Lynette Campbell
Maria Claudia
Martha F. R. Wiederkehr
Paulo Martins
Pedro Vitor Ribeiro
Pousada Sitio Fazenda do Mel
Samiris Freire
Shannon Rio
Victoria Costa
Wilbert Sanchez

Donations strengthen our capacity for actions and maintenance of the organization. In addition, they are also a vote of confidence that we receive with great enthusiasm and affection. Thank you for supporting our work for the research and conservation of birds and habitats!

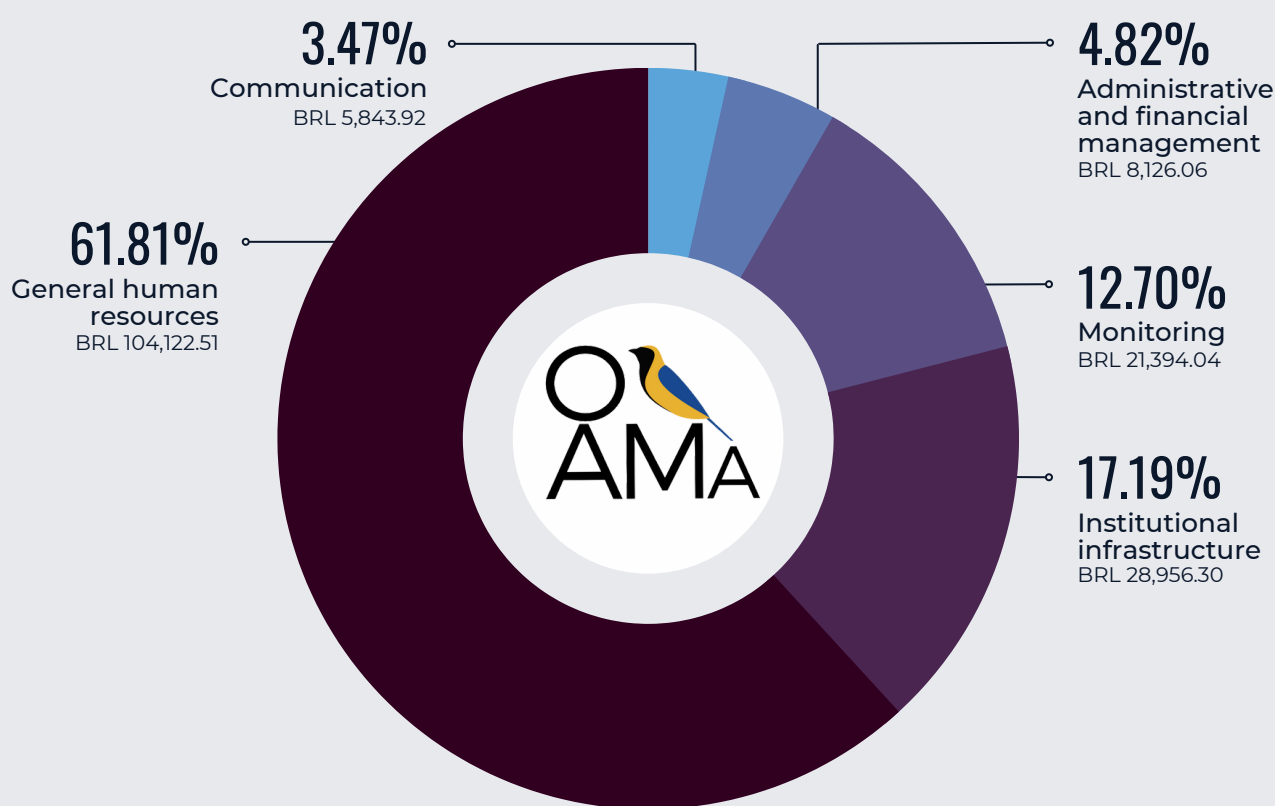


Financial Statement

Given the trust that each donor, affiliate, and collaborator places in OAMa, we value transparency in how we use all our funds. In 2021, we had a total income of BRL 164,993.39, with 49.5% coming from community support (affiliations and spontaneous donations). Thank you for helping us pay the bills!



In 2022, we took advantage of the good results that science and vaccination brought to resume face-to-face actions. We invested resources in expanding our team to handle the demands of science communication to the public, and to promote a free long-term training program for young ornithologists, with financial assistance. Therefore, our expenses reached a total of BRL 168,442.83 in 2022, slightly above the accrued income. The expenses mainly went to support our paid staff, occasional service providers, and the physical infrastructure that makes the monitoring and training program possible. Part of these expenses were also directed towards scientific communication and outreach actions, scholarships, and administrative and financial management (which includes numerous bank and bureaucratic fees).



Use.OAMa brand finished 2022 with a cash balance of BRL 13,865.30. However, that amount was not allocated to OAMa's income. Instead, we decided, alongside our brand partners, to invest this resource in the production of more *Use.OAMa* products. Many customers have demanded a larger and more diverse offering of t-shirts and prints. We listened to this feedback. Thus we plan to make the brand grow even more without losing focus on conscious production and consumption. Because, after all, this is an important source of funds for us.



Shear-tailed Gray Tyrant (*Muscipira vetula*).
By: Birds Atlantic.

Our Flight Plan

In 2023, our focus will be on strengthening and expanding our impact on ornithological knowledge in Brazil, on the technical training of new field ornithologists and researchers, and on connecting citizens with environmental conservation. We want to solidify the actions and collaborations already in progress, and deliver results and products to the public that help the conservation of birds and habitats in the Atlantic Forest. Among our goals for 2023 we include:

- To continue and expand the Bird Friendly Actions Campaign with the creation of informative materials, direct communication actions with the public, in-person events and participatory research;
- To strengthen collaborations and support new national initiatives for the monitoring and conservation of avifauna;
- To use our data and collaborations with other research institutions to prepare and disseminate studies that serve as tools to promote science-based conservation;
- To solidify the avifauna monitoring training program;
- To contribute significantly to the objectives outlined for the new cycle (2023-2028) of the National Action Plan for Birds of the Atlantic Forest;
- To promote sustainable development in the Mantiqueira Highlands by strengthening ecotourism in the region.



Luiza Figueira on a trail at the RPPN
Fazenda Alto da Boa Vista.

Message from the Coordinator

We finished 2022 with the feeling of having emerged out of a huge sea wave: disheveled, dizzy, full of sand, but victorious. I dare say that not only did we get out well, but we learned to swim. We ended 2022 by daring to be hopeful and optimistic about what's to come.

Our fifth year of existence was marked by an expansion movement. In 2022 we were able to reach more people, add more partners and collaborators, and bring science-based conservation to more hearts and minds. We successfully implemented the first training program on bird monitoring in Brazil. We contributed to the development of young conservationists, researchers, and ornithologists. These achievements make every effort worthwhile. These achievements are the results we need to continue with the certainty that we are on the right track.

We continue to grow; and our 'yeast' is community support and participation. Thank you to everyone who continues to build a future based on environmental conservation alongside OAMa. As always, we are all in this together. A more sustainable future depends on all of us.

Luiza F. Rodrigues



Dusky-legged Guan (*Penelope obscura*).
By: Rafaela da Mata.

Who We Are

Coordination



Project Coordinator
Msc. Affonso Souza



General Coordinator
Msc. Luiza Figueira



Data Coordinator
Msc. Pedro Martins

Assistants



Monitoring Assistant
Danielle Santos



Communication and Science Outreach Assistant
Otávio Rocha

Collaborators



*Proofreader of texts
in Portuguese*
Dirlene Martins



Proofreader in English
Ellen Campbell



Designer
Renata Miwa

Scholarship holder and Volunteers



Science Outreach
Andreza Freitas



Bird Monitoring Scholarship
Karine Resende



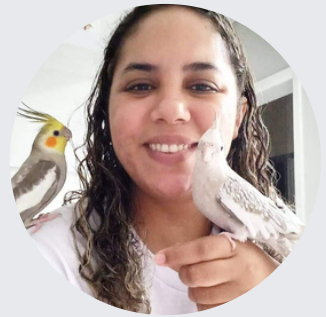
Data files Management
Lucas Silva



Science Outreach
Maurício Roveré



Science Outreach
Rafaela Ferneda



Multiple Activities
Renata Florence



Science Outreach
Ruan Vaz

We thank all the photographers who provided their records, and to CANVA for providing us with a professional account for free, making this Annual Report and all of OAMA communication products possible.





Banded female Swallow-tailed Manakin (*Chiroxiphia caudata*).
By: Emilia Roberts.



SCIENCE-BASED CONSERVATION

SCIENCE-BASED CONSERVATION

SCIENCE-BASED CONSERVATION