



BÖENA
Wilderness Lodges

Reporte Sostenibilidad



At Böena Wilderness Lodges we are committed to sustainable tourism and we seek to contribute to the development and improvement of the quality of life of the communities where we operate.

This is a report of some of the programs, initiatives or activities that we have developed in 2023 with the collaboration of our work teams, guests and support from donations we receive through our Conservation Fee.

We are part of The Long Run organization, which has allowed us to develop our sustainability strategy with the 4C's philosophy:



This year, we participated as hosts in The Long Run's 4C Hangout by Pacuare Lodge and Lapa Ríos, on March 6, with the theme "How to create and deliver positive impact experiences in the 4Cs". We were also part of The Long Run Annual Meeting on Nikoi Island, October 1-5, 2023.

We invite you to read new blog posts that include some sustainability topics in the following link: <https://boena.com/blog.html>





PACUARE LODGE

At Pacuare Lodge we have been pioneers in the development of sustainable tourism, with the protection and management of more than 340 hectares of forest. This private reserve conserves the local ecosystem and for research, and is part of the Barbilla-Destierro Biological Corridor.

Jaguar Program: Since 2009 and in agreement with the Universidad Nacional de Costa Rica, Pacuare Lodge has led the Jaguar Program, which seeks the conservation and protection of wildlife through research with the commitment to provide tools and logistics to carry out the research in the reserve and surrounding areas.



At the start of 2023 we had 21 camera trap stations, for which 4 field trips were carried out to review and collect information.

| | <i>PN</i> | <i>ZP</i> | <i>TI</i> | <i>FAP</i> |
|------------------------|-----------|-----------|-----------|------------|
| <i># estaciones</i> | 5 | 7 | 2 | 4 |
| <i># noches trampa</i> | 579 | 1086 | 158 | 700 |

PN: Parque Nacional, ZP: Zona protectora, TI: Territorio indígena, FAP: Fuera de área protegida.

With the information available and analyzed until September 2023, there are a total of 5,288 photographic records and 2,523 trap nights, in which a total of 24 species of mammals and 19 species of birds were recorded. CF Investment: \$1191.



Cuadro 2. Listado de mamíferos registrados de enero a septiembre del 2023 en cada una de las categorías de manejo. La “X” indica la presencia de la especie.

| Orden | Nombre común | Nombre científico | PN | ZP | TI | FAP |
|-----------------|--------------------|---------------------------------|----|----|----|-----|
| Didelphimorphia | Zorro pelón | <i>Didelphis marsupialis</i> | | X | X | X |
| Didelphimorphia | Zorricí | <i>Metachirus nudicaudatus</i> | X | X | | |
| Didelphimorphia | Zorro 4 ojos | <i>Philander opposum</i> | | X | | X |
| Cingulata | Armadillo zopilote | <i>Cabassous centralis</i> | | X | | |
| Cingulata | Armadillo | <i>Dasypus novemcinctus</i> | X | X | | X |
| Pilosa | Oso hormiguero | <i>Tamandua mexicana</i> | X | X | X | X |
| Rodentia | Guatuzá | <i>Dasyprocta punctata</i> | X | X | X | X |
| Rodentia | Tepezcuintle | <i>Cuniculus paca</i> | X | X | X | |
| Rodentia | Ardilla | <i>Sciurus granatensis</i> | X | X | | X |
| Rodentia | Rata | <i>spp</i> | X | X | | X |
| Rodentia | Ratón | <i>spp</i> | | | | X |
| Carnívora | Coyote | <i>Canis latrans</i> | | X | | X |
| Carnívora | Perro vinagre | <i>Speothos venaticus</i> | X | | | |
| Carnívora | Tolomuco | <i>Eira barbara</i> | X | X | | X |
| Carnívora | Grisón | <i>Galictis vittata</i> | | X | | X |
| Carnívora | Zorro hediondo | <i>Conepatus semistriatus</i> | X | X | | X |
| Carnívora | Mapache | <i>Procyon lotor</i> | | X | | X |
| Carnívora | Pizote | <i>Nasua narica</i> | X | X | X | X |
| Carnívora | Caucel | <i>Leopardus wiedii</i> | X | | X | |
| Carnívora | Ocelote | <i>Leopardus pardalis</i> | X | X | X | X |
| Carnívora | Puma | <i>Puma concolor</i> | X | | | |
| Carnívora | Jaguaroundi | <i>Herpailurus yagouaroundi</i> | X | | X | |
| Artiodactyla | Saino | <i>Pecari tajacu</i> | X | X | X | |
| Artiodactyla | Cabro de monte | <i>Mazama temama</i> | X | X | | |

PN: Parque Nacional, ZP: Zona protectora, TI: Territorio indígena, FAP: Fuera de área protegida.

Donation to Turrialba’s volleyball team 260,000 colones, uniforms for 20 children. April 17



DISEÑO URBANO @urbano28 Diseño Urbano



This team continues to achieve success! During November they were crowned three-time national champions on December 10, 2023.



Environmental Education:

Together with the Municipality of Siquirres, we visited the community of Linda Vista door to door to provide information on the correct separation of waste and how to facilitate the process through the municipal recollection system. Resources are invested in personnel, food and transportation, March 15.



Sessions-CREATING BIRD WATCHERS 2023:

As part of the Environmental Education Program, children learn about observation and identification of species, but, above all, to love and care for them. The environmental education process includes the identification of the topic, session development and necessary materials, staff training, and participation of the educational center. This is achieved thanks to the passion and enthusiasm of the environmental education committee in each Lodge, reaching the following educational centers and students:



Escuela Bajos del Tigre (12 students), Santa Marta (50 students), Linda Vista (30 students), Betania (45 students), Tsiobata (17 students), Guayacán (49 students), Tres Equis (54 students), for a total of 257 students.



Turrialba Children's Home Donation: we delivered supplies for a total of 150,000 colones to generate funds by participating in the CATIE Fair.



Hogar Infantil Turrialba · Seguir

2 d ·

¡Gratitud infinita!

A las empresas y personas que con su valioso aporte hicieron posible nuestra participación en la Feria Internacional del CATIE.

También agradecemos a las personas que adquirieron las comidas de nuestro puesto.

¡GRACIAS!

- Agricultores de Pacayas
- Alquileres Ana
- Almacén La Familia
- Assukkar
- Cafetalera Aquiares
- Cafetería y Restaurante CATIE
- Cafinter
- Clínica Dr. Francis
- Digrasa
- Dulce Tentación
- El Colono Agropecuario Turrialba
- Farmacia San Buenaventura
- Ferretería Santa Rosa
- Firestone
- Hogar de Ancianos San Buenaventura
- Insoma
- Lam Snacks
- Maquila Lama
- Minisuper Varela
- Mundo Novedades
- Pacuare Lodge
- Panadería María Auxiliadora
- Panadería Santi
- Productos Gari
- Tienda Primor
- Verdulería San Francisco
- Vetecsa





Cleanup March 23: We periodically carry out cleanups near the Pacuare River. On this day we collected 4 kg of plastic, 6 kg of metal, and 6 kg of ordinary waste.



RAFA: In 2023 we will begin the participation of Pacuare Lodge in the Rivers and Forests Alliance (RAFA) association, with projects and campaigns for the regeneration and protection of the Pacuare River basin.

On May 2 we attended the meeting to present RAFA projects and the creation of the Guardianes del Pacuare alliance, which the lodge is a part of. The following projects were presented:

1. Citizen Water Observatories (OCA in Spanish) with the National Alliance of Rivers and Basins of Costa Rica. The objective of OCA is to identify and develop projects aimed at solving the problems that cause pollution and lack of water in communities.

In support of this project, 5 collaborators from Pacuare Lodge registered, who have shown interest in the protection of the Pacuare River basin.

2. Natural Resources Surveillance Committees (COVIRENAS) with the Barbilla-Destierro Biological Subcorridor. The objective is to create committees with organized people to contribute to the surveillance and protection of natural resources.

In support of this project we registered 7 collaborators interested in the protection of resources.



3. Planting – May 25. Pacuare Lodge was part of the reforestation on the RAFA farm in San Martín de Tres Equis with the objective of regenerating the Pacuare River basin. In this activity, 360 trees were planted (Almendros: 15, Guabas: 20, Pitanga: 31, White Chancho: 50, Caimitos: 2, Sota Caballo: 40, Manu Plantain: 40, Gavilán: 20, Laurel: 92 and Sabana Oak: 50).



4. On October 6: we participated in the making of 1,338 clay spheres with microorganisms, with the support of 41 volunteers from the community of Bajos del Tigre, OCA Río Pacuare Turrialba – Siquirres, Barbilla Destierro Biological Subcorridor, RAFA and Bionovation / Research Organization Inc with Takatsuru Nishikawa.

5. On October 28 – we actively participated in the reforestation of 1615 trees at RAFA's Finca San Martín de Tres Equis and in the launch of 1338 spheres with EM (efficient microorganisms) in the Pacuare River. 92 volunteers participated in this great event, including neighboring Lodges Ríos Lodge, Pacuare Outdoor Center, Whitewater Excitement, organizations such as SINAC, JACANA, Subcorredor Biológico Barbilla Destierro and schools from Linda Vista and Bajos del Tigre.





World Environment Day: we were visited by the Bajo del Tigre school (10 children in total) for whom we prepared a morning with a Bird Watching Tour, a Cultural and Natural Walk where we showed them the importance of preserving the environment and take care of indigenous traditions. – June 5.



Health Fair: On October 18, a Health Fair was held through the Health Committee, together with the CCSS, general reviews were carried out on the staff and topics such as mental health were discussed.



Efficient Spheres and Microorganisms Training: October 31, together with the greatest exponent on this topic, Mr. Takatsuru Nishikawa, we learned to make spheres with efficient microorganisms that are used in the search for water quality, and improvement of processes in waste from our operation.



Planting Mar a Mar: October 16, Pacuare Lodge was part of a reforestation effort, together with SINAC and the Mar a Mar Association. This took place in the Barbilla National Park, where a total of 170 trees of different species were planted (mountain almond, sotacacallo and manzanita) around a wetland, with the objective of conserving this important ecosystem.





Turrialba Volcano Walk: On October 20 – 28 collaborators joined the walk between the Irazú and Turrialba volcanoes covering 12 km, adding to the goals made by the Pacuare Lodge Health committee.



Ecological Blue Flag: On October 31 – raising of the Ecological Blue Flag in Pacuare Lodge, for achieving the award as a Protected Natural Area in its 340 hectares, thanks to the effort and dedication of the conservation committee and BAE.



Barbilla Biological Subcorridor: Pacuare Lodge is a founding member of the Barbilla Biological Subcorridor Destierro committee, in 2008. Since 2022, it has participated in the regular monthly sessions in which the activities and projects carried out by this committee are developed.

During the year 2023, it has supported with supplies for projects to the community and environmental fair projects held on September 24 in the community of Las Brisas and on



October 15 in the Tres Equis community. These activities include talks on environmental topics, artistic shows, soccer tournaments and spaces for local entrepreneurs.

Art Expo - Natalie Rojas: Starting on December 5, we inaugurated the art exhibition of local artist Natalie Rojas, whose artwork is based on photographs from the Jaguar Program and her experiences in Las Brisas de Pacuarito, the place where she grew up and lived.



Compost and Finca Tuis: During 2023, the diversity of crops on the farm increased; we started planting tomatoes, green and red cherry tomatoes, yellow scallops, mini bean pods and sweet chili. In addition, we continued with the harvest of leafy vegetables such as lettuce, chives, spinach, cilantro, celery, among others, and in February we planted 50 citrus trees. The diversification of produce allowed the farm's economic output to increase.

7584 kg of compost, 320 L of EM and 110 L of organic repellents and fungicides were produced. They were applied to the soil and plants to improve their quality.

In November, 2,500 plants of Milenio coffee were planted, which is a hybrid with high productivity in the field under sustainable methods and excellent cup quality, which ensures that we offer our clients and collaborators quality coffee with exquisite flavor. This coffee is grown in agroforestry systems in association with plantain, banana and cassava in the same planting area. It allows us to obtain more products per area and provide partial shade to the coffee.



Emergency Care Plan: During the months between August and November, we began a support process at the Los Ángeles School in Bajos del Tigre to introduce an Emergency Care Plan, seeking prevention and improvement of facilities. Exploratory tours, risk identification, work plan, and management of corrective work were carried out by our Occupational Health and maintenance team.



Yamá Soccer School: Donation of 10 soccer balls, in addition to materials and labor for the construction of four soccer goals for the Yama F.C. soccer school. – August 15.



CST: This year we completed the third certification process.

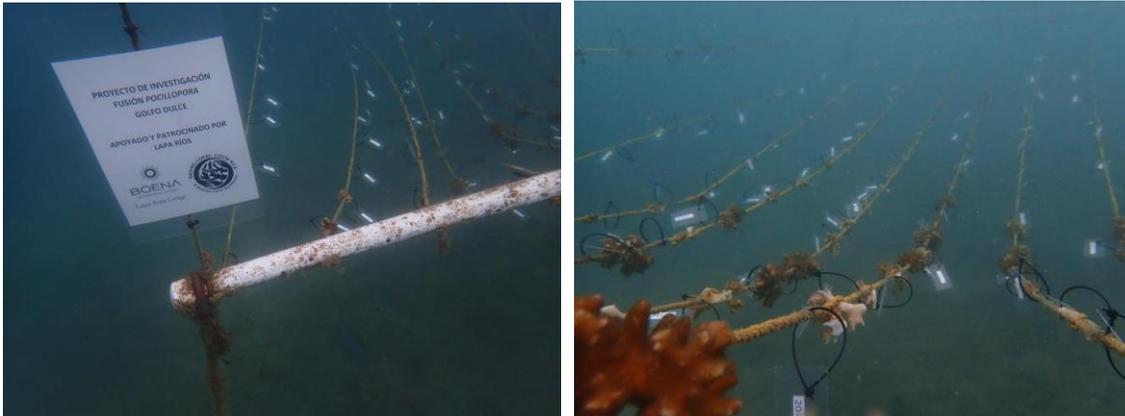


LAPA RÍOS

Lapa Ríos has 1000 acres of private property dedicated to protection, conservation, and research. This private reserve serves as a biological corridor and protective barrier for the Corcovado National.

Raising Coral Costa Rica Project: Throughout the year we have continued with the monthly contribution for the coral regeneration research project in the South Pacific of Costa Rica, through the Raising Corals organization. CF Investment: \$10,200

You can read more about the project at the following link: <https://boena.com/blog-raising-coral.html>



Along with the development of the program, 3 training sessions were held for staff and guests on the importance of corals, biodiversity and marine ecosystems, and Lapa Ríos' support of the organization.

The research project that has been carried out thanks to the support of Lapa Ríos has provided important inputs to guide the use of low-cost methods to differentiate corals from different donors or parents. Ensuring genetic diversity in the restoration of coral reefs has become one of the great challenges worldwide, being of vital importance to innovate and ensure accessible methodologies for projects with little access to economic funds.

In this project it was possible to verify that most corals that came from different coral donors responded with rejection when they came into contact with the other coral, as well as the fusion of corals from the same donor. This proves that they are recognized as clones and therefore they can create colonies with a larger size in less time. In turn, there were a couple of responses to the contact that were different than expected:



1. The fusion of donor 20 and 30, while in the replica the rejection of donor 20 and 30 occurred.
2. The rejection between donors 8 and 10, which were recently found to belong to the same donor, therefore, they are clones. The above only demonstrates the importance of having more replicates in a second phase of the experiment and thereby confirming whether they were exceptions or whether it is constant.

For the moment, the experiment verified that there are different donors of Pocillopora in the coral culture nursery in Golfo Dulce and by comparing the results with genetic laboratory results, we effectively verified that diversity.

By 2024, in alliance with Raising Corals, the program will direct its efforts to conduct research in our reserve and promote the participation of our staff and guests.

Jaguar Program: Since 2020, Lapa Ríos has maintained a support agreement with the National University, in support of the research of the Jaguar Program, where we are committed to providing equipment, food, lodging, outreach activities, and contributing to the integration of communities. During 2023, the following actions were achieved:

- Presentation of the study results of the research carried out in Corcovado on the impact of tourist visitation on wildlife that we developed with the support of Lapa Ríos/Böëna.
- Delivery of a donation of 13 camera traps for research in 2023.
- 4 visits were made to the Lapa Ríos Lodge property to review the camera traps located mainly on the Ridge and Osa trail.

This year, a sampling effort of 1,311 camera nights was completed (consecutive days that all cameras were working), of which 28,764 photographs and videos have been generated corresponding to the 5 camera traps that currently operate on the aforementioned trails. CF Investment: \$2191



| <i>Orden</i> | <i>Nombre común</i> | <i>Nombre científico</i> |
|------------------------|---------------------|---------------------------------|
| <i>Carnívora</i> | Jaguar | <i>Panthera onca</i> |
| <i>Carnívora</i> | Puma | <i>Puma concolor</i> |
| <i>Carnívora</i> | Manigordo | <i>Leopardus pardalis</i> |
| <i>Carnívora</i> | Caucel | <i>Leopardus wiedii</i> |
| <i>Carnívora</i> | Jaguarundi | <i>Herpailurus yagouaroundi</i> |
| <i>Carnívora</i> | Pizote | <i>Nasua narica</i> |
| <i>Carnívora</i> | Mapache | <i>Procyon cancrivorus</i> |
| <i>Carnívora</i> | Zorro hediondo | <i>Conepatus semistriatus</i> |
| <i>Carnívora</i> | Tolomuco | <i>Eira barbara</i> |
| <i>Artiodactyla</i> | Saíno | <i>Pecari tajacu</i> |
| <i>Artiodactyla</i> | Chancho de monte | <i>Tayassu pecari</i> |
| <i>Artiodactyla</i> | Cabro de monte | <i>Mazama temama</i> |
| <i>Perissodactyla</i> | Danta | <i>Tapirus bairdii</i> |
| <i>Pilosa</i> | Oso hormiguero | <i>Tamandua mexicana</i> |
| <i>Didelphimorphia</i> | Zorro pelón | <i>Didelphis marsupialis</i> |
| <i>Cingulata</i> | Armadillo | <i>Dasyus novemcinctus</i> |
| <i>Rodentia</i> | Cherenga | <i>Dasyprocta punctata</i> |
| <i>Rodentia</i> | Ardilla pigmea | <i>Microsciurus alfari</i> |
| <i>Rodentia</i> | Tepezcuíntle | <i>Cuniculus paca</i> |
| <i>Galliformes</i> | Pavón | <i>Crax rubra</i> |
| <i>Tinamiformes</i> | Gallina de monte | <i>Tinamus major</i> |

Additionally, 4 informative talks were held about the monitoring project, as well as environmental education for both hotel guests and hotel staff during each of the visits to the site.



Finally, as is common in each sampling period in Lapa Ríos, there is a constant presence of Mountain Pigs (*Tayassu pecari*). This is an indicator of a healthy ecosystem, which positions this area as having high importance for the conservation of this key species for the regeneration of plant communities in tropical forests. Although jaguars are not always present, the presence of their main prey (Mountain Pigs) ensures an ideal quality of habitat for this other key species.

Thanks to the support of Böëna Wilderness Lodges and Lapa Ríos, in collaboration with Namá Conservation, in conjunction with the Jaguar Program of the National University, we currently have more than 3 years of continuous monitoring within the Corcovado National Park (PNC) and the property of Lapa Ríos Lodge.

This translates into a constant and systematic effort to monitor feline populations and their prey species in one of the most visited national parks in the country and a highly important area for the conservation of biodiversity worldwide. These efforts have made it possible to carry out the only study on the impact of tourist visitation at the Sirena station of the Corcovado National Park (currently being published in the scientific journal *Wildlife Letters*) on terrestrial mammal species since its creation. This type of research is highly important for making management decisions in the country's protected and natural areas to safeguard the ecological processes of our ecosystems and the quality of habitat for the species of terrestrial mammals that are distributed in them.

Puerto Jiménez folk group: Lapa Ríos supports with financial donations for their international tours, where they take the music and folklore of Costa Rica around the world. We have had the pleasure of receiving them at our lodge so that our guests can experience Costa Rican folklore through music and dance.



We also made a financial contribution of \$500 for accommodation for dancers for the Dance Fair that took place in Puerto Jiménez

Garden: this year we diversified the planting alternatives and we have been able to have greater production so that the lodge's kitchen can use fresh produce from the garden. We are reproducing some organic supplies for the care and efficiency of the crops. Some of the active produce: Sweet Chile / Jalapeño / Java / Panamanian, Kale, Basil, Arugula, Coyote and Castilla Cilantro, Chives, Thyme, Lemongrass, and Turmeric.



Compost: the waste separation process is maintained in the kitchen and living room for the compost process. Improvements were made to the infrastructure area to make the process more efficient.



Tómbola: In December we inaugurated the tómbola built by the maintenance team to make the compost process much simpler and more efficient. With this tómbola, the artisanal composting process as we knew it becomes a cleaner process with less physical effort. Originally it took 2 to 3 months per pile to 1 month per container.



Playground ASOCONA: We collaborated with economic resources to help make a playground in Puerto Jimenez a reality. Delivery of financial aid for \$700 for the ASCONA play and collaboration with a team to set it up. Additionally, cement and sand were bought for 55,000 colones for its assembly. This playground is located at the Puerto Jiménez public library. April 25



Plant a tree program: Plant a tree program: Our staff periodically collaborates with the preparation of tree saplings for the Plant Tree Program in the private reserve in Lapa Rios. They collaborated with the nursery paths and maintaining the Sangrillo Colorado saplings. This species is endemic to our reserve, and we have managed to plant 142 units with guests from Lapa Rios.



Apoyo ASCONA:





Quarterly, we donate to the National Environmental Community Service Association for the Conservation of Nature and Biodiversity of Puerto Jiménez. This contributes to projects for children and youth in the community, such as the library and community theater, as well as educational sessions and creation of healthy recreational spaces. CF Investment: \$2034

We also collaborated with the delivery of pastries for volunteers for Earth Day, for 40 people, April 22, 2023.

Support with ASCONA garden: With materials such as seedbeds and compost, in addition to our human resource, we set up the garden so that the children of Puerto Jiménez can learn and harvest. – June.



BAE delivery to Lapa Ríos – We have the Ecological Blue Flag award for Beaches, a project developed by the BAE Committee of Lapa Ríos.





Corcovado Run: Lapa Ríos made the donation of the graphic design for future editions of the Corcovado Run Race, which is planned to be organized in an integrated manner with the community, local organizations, and various companies.



Beach cleanup March 25: Beach cleanups are periodically carried out with the staff, led by the BAE committee, on this occasion 40kg of waste were collected.





Contribution to educational infrastructure:

Carbonera School: collaborative support begins with the school, starting with the cleaning and maintenance of the solar panels, purchase of fans, improvement in basic classroom infrastructure, and delivery of frames to play soccer. – May 8



San Miguel de Cañaza School: collaborative support begins with the school, starting with the cleaning and maintenance of the solar panels, purchase of fans, improvement in basic classroom infrastructure, and delivery of goal frames to play soccer. – May 8





Environmental education: May 12, Carbonera School. Our guides from Lapa Rios, in the process of making the children fall in love with birds at the Carbonera School. Children learn about observation and identification of species, but, above all, to love and care for them. The environmental education process includes the identification of the topic, session development and necessary materials, staff training, and participation of the educational center.



November 8, San Miguel Cañaza School. Environmental Education Session for 6 children with the session 'Creating Bird Watchers'.



Beach cleaning in Carate: Supporting COPROT we participated in the cleaning before the arrival of the turtles. June 11.





Puerto Jiménez Volleyball team donation, November 10, 10 volleyballs.



Signage on beaches: We installed new signage for waste management and visitor safety on the beaches in order to reduce waste on the beaches.



Please do not bring any inorganic waste or trash to the beach with you.

If you have trash, please take it with you when you leave.

Let's keep our beaches clean for all to enjoy!

Por favor no traiga residuos inorgánicos u ordinarios a la playa.

Si tiene residuos, favor llevarlos con usted al salir.

¡Mantengamos las playas limpias para el disfrute de todos!

DANGEROUS CURRENTS

CORRIENTES PELIGROSAS



EM Training and Spheres Project: December 13. The guides, maintenance and garden teams received sphere and EM training. This will be very beneficial for the protection and improvement of bodies of water in our communities. In addition, we are testing alternatives for some internal operational processes such as pigsty, grease traps, septic tanks, etc.



Corcovado Foundation: in 2023 we contributed of \$9,208 to the Corcovado Foundation to support the protection of the Corcovado National Park with the hiring of administrative personnel.



TORTUGA LODGE

Tortuga Lodge has 26 hectares of private nature reserve, which are conserved to support the protection of the fragile ecosystem of the Tortuguero National Park.

Caribbean Music School:

This successful project has been evolving and growing, as has our support and commitment from Tortuga Lodge. We have been sponsors of the Tortuguero Caribbean Music School and now in 2023 with the music school in San Francisco. Through the monthly payment of teachers Marlo and Carlos, 43 children from Tortuguero can access music and cultural interaction classes every week. Investment CF \$16,670.

To learn more about this project, visit the following link:

<https://boena.com/blog-tortuguero-classes-teach-kids-to-play-the-music-of-their-roots.html>

During the month of August, we collaborated with the recording of the music single, through donations of lodging, transportation and food for the recording team.



On June 11 we had the opportunity to have them at TOL so they could have a day of swimming and lunch, with 40 children from the music school, their teachers and several parents.

For 2024, this program is loaded with projects and initiatives together with the children, their families, the team of teachers and the Cultural Collective. We believe that music is only part of what these amazing children can achieve in a community, becoming leaders and an example of achieving sustainability of the communities.



San Francisco community cleanup (environmental education and community committees) - January 11. With our staff and community support we carry out periodic cleanings on the beach and nearby communities.



Beach cleaning:

March 22 - 47.6 kg of waste collected.



August 27: cleaning at Jalova Beach, the TOL team managed to collect 1329kg of waste in total.



Beach cleaning: In celebration of Jaguar Day, December 2, 60 trash bags collected together with guides and the Music School, led by our guide Erick and with the support of teachers Carlos and Marlo.



San Francisco School: improvements in infrastructure and delivery of 20 school desks (February 27) Total investment \$3040





Collaboration with the Tortuguero High School: On June 20, Tortuguero High School opened, with 5 classrooms and a dining area completely remodeled. In this project we invested resources from the Conservation Fee and volunteering by our staff. Investment \$8228

To learn more about this project you can visit the following link:

<https://boena.com/blog-boena-spearheads-the-reopening-of-tortugeros-rural-highschool.html>



Compost: The gardens and maintenance team has led the composting process at Tortuga Lodge. They completed training to produce spheres and EM to streamline processes and develop the Spheres Program, which improves water quality in the lagoon and canals. 1540 kg of compost were produced.



World Migratory Day: In the environmental education process, we supported the activity of the National Park in Tortuguero so that the children could go out to observe birds and learn from great naturalist guides. – May 13.



Collaboration with the Tortuguero Waste Plant: To support the management of the waste generated in the community of Tortuguero, we participated and led the meeting and presentation of improvement in the management scheme to the Board of Directors, and guided tours of our collaborators to start a learning and improvement process in waste separation at home. – June 5.





Tortufest: As usual we had a successful participation in Tortufest 2023 with a carnival float, dances and costumes, joining the annual celebration of ending the year's turtle season with art, music and celebration. We won the award for best float, made with reused materials from Tortuga Lodge and recyclable materials. The passion and hard work of the culture committee was essential, as they managed to work as a team to achieve outstanding participation.



Tortutlón: The active health committee carried out the II Tortutlón and a session of traditional games. The health committee was in charge of organizing the activities in the first days of October, always seeking to improve the health and physical condition of our work team.



ECOLABELING: Tortuga Lodge obtained the local Ecolabeling award with the highest level, gold.





Ecological Blue Flag: Tortuga Lodge received the BAE award for Protected Natural Space in its natural private reserve.



Environmental Education: As part of the Environmental Education Program, on November 13 the Tortuga Lodge team visited the La Laguna San Francisco School, with the session of "Creating Bird Watchers", in order to motivate through practice and games, the love and care of birds.



Planting day: November 15 - Tortuga Lodge Private Nature Reserve, 20 units between mountain almond and golden fruit were planted at the beginning of the rainy season by the conservation team.





Faces of Tortuguero Book: Böëna Wilderness Lodges wanted to honor the founders of Tortuguero. People whose stories, struggles and achievements were fundamental in the formation of the rich traditions and cultural heritage of the region. For this reason we developed a book that is shared with our guests, which tells the stories of important figures in the history of Tortuguero.





MONTEVERDE LODGE

At Monteverde Lodge, we are committed to sustainable tourism and we work to improve any negative impact caused by our operation. We are agents of change in the community and develop programs and practices to work on the conservation of ecosystems. For this reason, as in all our Lodges, 100% of our staff is from the local area, and we work hard to benefit the community.

ASADA Monteverde staff training for staff – March 23. Knowing the cost of having quality water is a way to raise awareness in the care and responsible use of this resource. Our committee is concerned with the training and constant review of the information handled by our staff to promote the correct use of resources.



Smoke-Free Monteverde Environmental Fair: financial sponsorship for community activity, March 26.





Escape Monteverde:

Escape Monteverde is a community initiative that seeks to promote mental health in young people in the Monteverde community in order to combat anxiety and depression. This provides children with tools for their personal, emotional and social development, and aims to identify the main needs of mental health in young people in the community. It promotes different strategies and tools to meet these needs efficiently and effectively, accompanying and supporting teens in the process.

Monteverde Lodge provides monthly support with resources for the growth of the initiative, where mental health is worked on for teens, and support in personal development for this group of girls and boys. CF Investment: \$2500



Naturalist Guide Day Celebration:

Our guides are a fundamental piece not only of the enjoyment of the experiences, they are also essential for the environmental education process. On February 21 we celebrated with them with an excursion through the Monteverde reserve (taking advantage of the fact that entry is free for locals) and walks along our trails for guests.

Thanks to the support of our naturalist guides **Rodiber Martínez, Dennis Fernandez, Donald Loría and Jairo Rodriguez**, who although it is true are not our staff guides, they are the faces that our guests will see when we organize a hike through the lodge's gardens.



National Artisan Day Celebration: On March 19, we opened a space so that local artisans could show their products at Monteverde Lodge and so that our guests could purchase their creations. Supporting small local businesses is part of our responsibility as an organization that works to improve the quality of life in the communities where we operate.



Sponsorship Creative School Race: To support the scholarship fund, we committed to 13 participants from Monteverde Lodge in the Creative School Race, and with the donation of supplies for the food area (2 coolers and chefings), in addition to loaning the awning for the organization of the event. – March 25.



Collaboration day at the Monteverde Institute: Our conservation committee collaborated with the preparation of 8,000 tree saplings that will be planted in Monteverde in 2023 – May 25. (9 MOL staff members)

200 of the saplings remained in our private reserve.





SIEMBRATÓN 2023

LA OFICINA NACIONAL FORESTAL Y EL COLEGIO DE INGENIEROS AGRÓNOMOS

Otorgan el reconocimiento a:

MONTEVERDE LODGE & GARDENS

Por su aporte y participación para alcanzar 2 042 525 árboles en la celebración del Día Nacional del Árbol a través de la reforestación de Costa Rica.

Ing. Luis Felipe Vega Monge
Director Ejecutivo, ONF

Ing. Lorena Carballo Batista
Directora Ejecutiva, CIAGRO

San José, Costa Rica
Julio, 2023



Third MOL reforestation campaign – 200 sticks planted – June 15



Tree planting maintenance days in the Monteverde Lodge reserve in 2022: Periodically our staff monitors the planted trees, to achieve greater effectiveness and survival of the small trees.





World Migratory Day: On June 13 we celebrated with a birding tour for the staff and they also planted 50 more sticks in our private reserve. Environmental education begins with our teams, and we know that they are an investment for the future.



Cleaning Quebrada Sucia, together with the Cloud Forest Lodge Ecological Blue Flag committee, 191kg of waste were collected. 12 members of the Monteverde Lodge & Cloud Forest Lodge teams came together to clean the “Sucia” stream that runs through the property. April 30.



Presentation at MOL Grupo Folklorico Arco Iris, since 2022 we have been supporting the Grupo Folklorico Arco Iris de Vida, and as part of their rehearsals and preparations for national and international presentations, they visited us to perform at Monteverde Lodge to our staff and guests on March 1 May as part of the celebration of Worker's Day.



We also collaborated with 137,500 colones for the transport to SJ for their presentation at the Melico Salazar Theater. The Arcoiris de Vida Folkloric Dance group was founded by two elder adults from Monteverde. This year, together with Cloud Forest Lodge, we supported them with a large part of the cost of transportation to and from San Jose for almost 60 people, including artists and parents. The group is made up of children from 5 years old to elders up to 80 years old.

Monteverde Collection Center Cleaning: In support of the Municipal Collection Center, on June 1, we cleaned and organized the municipal collection center, to ensure that the area and equipment is of greater benefit to the community of Santa Elena.



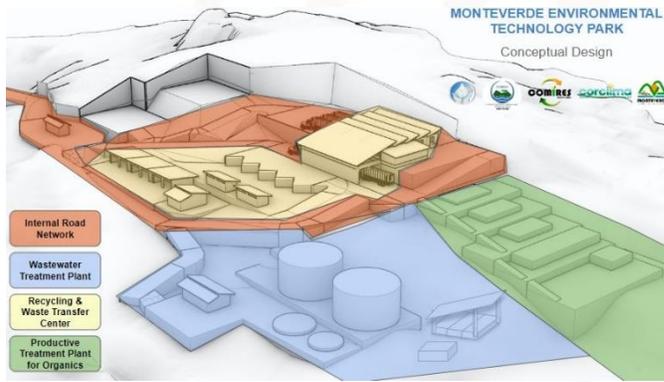
Santa Elena center cleaning day: With our staff, on June 5, we managed to collect 27.5 kg of waste that is registered and disposed of correctly.



World Environment Day Celebration: Children from the community were able to inspect the trails, received information about natural history, and the spa became a cinema. They watched and enjoyed the movie Lorax. The message of the film is about nature and caring for the environment. It shows that nature is an irreplaceable asset. – June 6



Environmental Technology Park: Starting in June, both Cloud Forest Lodge and Monteverde Lodge began a series of monthly donations until December, to complete a donation total of \$5,000 for the development of the Monteverde Environmental Technology Park. It deals with on the solution to issues such as wastewater treatment, solid waste, and food waste treatment for the community.



Compost: At Monteverde Lodge we started with a new tool for a much more efficient compost through a tombola. This tómbola, in combination with the artisanal technique that we use in all our lodges, allows the correct management of 100% of our organic waste, converting it into organic fertilizer. Our compost team has been a leader in the pilot plans we have developed to learn more about these techniques and processes.



EM AND SPHERES TRAINING: On November 9, maintenance, gardening, and concierge teams received training for effective spheres and microorganisms, to contribute to the project to improve water quality and operational improvement.



ENVIRONMENTAL EDUCATION SESSIONS: CREATING BIRD WATCHERS 2023 –

As part of our Environmental Education strategy, and with the session 'Creating Bird Watchers', Monteverde Lodge and Cloud Forest Lodge visited the La Lindora School, September 20, ensuring that 6 children received and enjoyed an educational session.



In the month of March we had the participation of the 5 lodges in the training of the Rio Urbano organization for the Cleaning Days Workshop in Rivers and Creeks. In total there will be 17 collaborators trained in logistics and preparations.

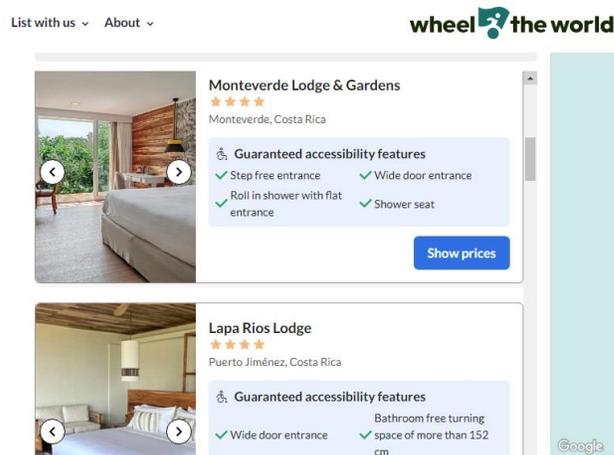


LESCO: Three of our collaborators at Monteverde Lodge completed the basic course to serve guests in LESCO through our participation in the Monteverde Accessible Tourism Council.

Accesible Tourism: Two of our collaborators participated in the Monteverde Accessible Tourism Seminar that took place on October 26 at the Poco a Poco Hotel. Monteverde Lodge also donated with fruits for the participants, and dinner for the course teachers.



Wheel the World: This year all lodges were included on the Wheel the World page, a platform used to reserve accessible hotels and tours.





CLOUDFOREST LODGE

Cloud Forest Lodge has 23 hectares of private nature reserve located within the Pájaro Campana Biological Corridor, which extends between the province of Puntarenas and Guanacaste. This reserve is kept for protection and research.

UNA-CFL research project: Since March 21, the research project began in the private reserve of Cloud Forest Lodge, with a donation of 5 cameras, accommodation, food and transportation for student Valerie Solano, in charge of the research project. Investment CF \$1460



In 4 camera review tours, we obtained reports of puma, coyotes, male and female quetzal and chicks, as well as ocelot, caucel, armadillos, guatuzas, coyotes, peccaries, various birds, toluco, hairless fox, porcupine, among other species.

By 2024, the objective is to continue the species monitoring and identification process to create a more robust database and be able to contribute to local and national investigative processes.

The National University and the Jaguar Program have remained an important ally of Böëna Wilderness Lodges, and we hope to continue growing in supporting research in Costa Rica.



Cleaning private reserve trails: The Blue Flag committee carried out periodic work on the trails of Cloud Forest Lodge, in order to allow greater visitation and environmental education of those who visit us.





Smoke-Free Monteverde Environmental Fair: Cloud Forest Lodge sponsored the Smoke-Free Monteverde 2023 activity with economic and team support in the logistical preparation of the event on March 26. Investment CF \$150.

Escape Monteverde: Escape Monteverde is a community initiative that seeks to promote mental health in young people in the community of Monteverde in order to combat anxiety and depression, providing children with tools for their personal, emotional and social development, and aims to identify the main mental health needs in young people in the community to promote different strategies and tools to meet these needs efficiently and effectively, accompanying and supporting teens in the process.

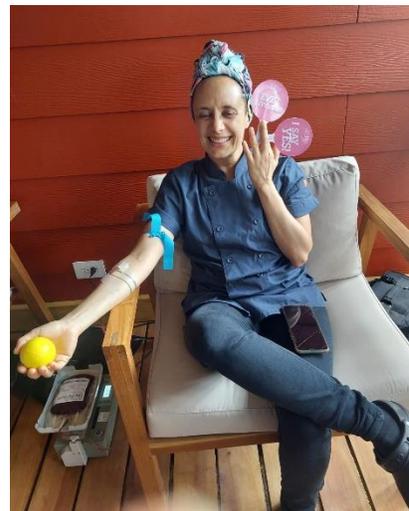
Cloud Forest Lodge provides monthly support with resources for the growth of the initiative, where mental health is worked on for teens, and support in personal development for this group of girls and boys. CF investment \$1750.



Collaboration with Grupo Arco Iris: We collaborated with 137,500 colones for the transport to SJ for their presentation at the Melico Salazar Theater. The Arcoíris de Vida Folkloric Dance group, founded by two elder adults from Monteverde. This year, together with Monteverde Lodge, we supported them with a large part of the amount of the round trip transportation to San Jose for almost 60 people, including artists and parents. The group is made up of children from 5 years old to elders up to 80 years old.



Blood donation campaign: The health committee worked hard to achieve a successful campaign. A room was prepared and we provided refreshments so that 43 people came to donate blood for the Blood Bank on June 6, with the participation of our staff and members from the community.



Planting day in Monteverde: on June 15, we managed to plant 45 trees together with Don Juan Tours, promoting teamwork and the conservation of local ecosystems.



Monteverde Park: our team collaborated in cleaning the area that will become the Monteverde Park, a very important area for the socialization and development of the community. – June 19.

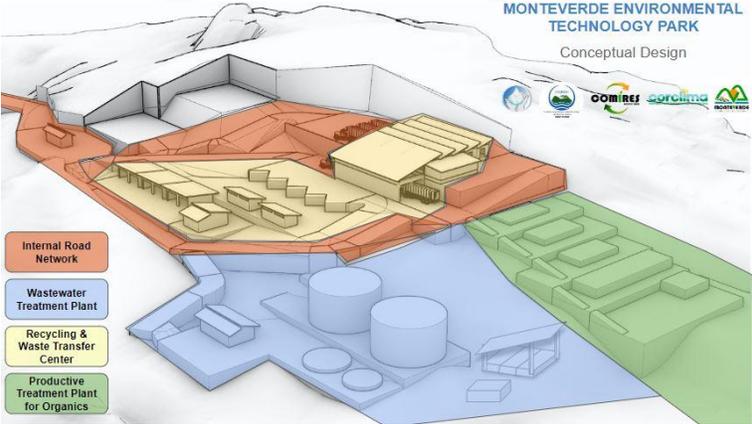


Compost: We started the compost process at Cloud Forest Lodge, with the new warehouse space, with the necessary equipment and training for our team.





Environmental Technology Park: Starting in June, both Cloud Forest Lodge and Monteverde Lodge began a series of monthly donations until December, to complete a donation of \$2,500 for the development of the Monteverde Environmental Technology Park, which works on solutions to issues such as wastewater treatment, solid waste, and food waste treatment for the community.



Native Gardens Training: September 1 – Monteverde Lodge and Cloud Forest Lodge participated, conducted by Willow Zuchowski, from ProNativas-Monteverde, at Cloud Forest Lodge, to learn how to make gardens with environmental responsibility and promoting protection through responsible tourism.





Santa Elena School Greenhouse: Through the community committee, our team and donation of materials will once again make the garden a reality in the Santa Elena School greenhouse, so that students can learn and raise awareness about the importance of food and climate change that affects our nutrition. CF materials investment \$587



LESCO: To learn more about accessibility, and provide an unforgettable experience to our guests, two of our staff members completed the basic course of LESCO, through our participation in the Monteverde Accessible Tourism Council. This helps to better communicate with guests through LESCO.



Accessible Tourism: Education begins with our work team, and for them two of our collaborators participated in the Monteverde Accessible Tourism Seminar that took place on October 26 and 26 at the Hotel Poco a Poco.



Mi Tierra Monteverde: We collaborated with a team (3 staff members) to organize the cultural event of the Monteverde Mi Tierra community, an event of great importance for the community in Santa Elena.



EM and spheres training: on November 6, 11 staff members took the EM and spheres course by Mr. Takakura, in order to learn about effective spheres and microorganisms, to contribute to the water quality improvement project, and our operational improvement.





Many thanks to all the sustainability committees, who make up the teams with passion and dedication, and develop and execute each activity, initiative and projects in each of the communities where our five Lodges are located.

We also want to thank our research project allies, business partners, communities, and external organizations that, with their knowledge, support, and work, help us direct our sustainability efforts.

We have high expectations for 2024, and we look forward to sharing exciting news next year as well.

Best regards,

Sustainability Team, Böëna Wilderness Lodges

