

ANNUAL REPORT 2022



ARBIO
PERU

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COVER LETTER

1

Our organization was born in 2010 in Madre de Dios region to preserve the integrity of the natural forest in a 916-hectare concession located in Las Piedras river basin.

From the beginning, our purpose connects us with Mother Earth to protect the forest from the threats that the interoceanic highway which was built in 2011, located just 20 kilometers away from our project, would bring with it.

We have developed innovative systems to achieve this purpose by the creation of online environmental services in order to involve third parties in caring for the forest by adopting forest areas and large trees. These adoptions are gift options for people on special occasions. For example, during pandemic period, the tree in memory of a deceased person was one of the most requested in our system.

In 2022, we managed to add important allies for the conservation of this ecosystem by protecting large areas and ancient trees such as Shihuahuaco. An alliance with a financial institution allowed for great visibility in the media and thanks to an ally from the food sector the situation in Madre de Dios regarding deforestation and logging was disseminated in the press. These alliances have also allowed scientific research and a census of large trees in the concession.

In the field, patrolling and monitoring activities are permanent with our team of park rangers present 365 days a year. We have better infrastructure and equipment for accommodation, river transportation, satellite internet, and a photovoltaic system for solar energy in the middle of the forest.

Threats are constant in the whole region. We remain firm in our purpose despite the progress of deforestation because every day we are more people and companies responsible for taking action for the care of our planet. And because this work inspires us: Mother Earth needs you if you want a better world for her children.

Rocío Espinosa
CFO ARBIO Perú



OUR MISSION

GOLDEN CIRCLE

2

What is it for?

Take into account the union we have with the planet and achieve a balance and avoid self-destruction

Why?

We know that all living beings that inhabit the planet are interconnected. Some of us have forgotten it.

How?

Connecting people to the forest.

3 pillars

Conservation

Science

Awareness

What?

Protect and conserve the amazon forest.



VALUE PROPOSAL

Purpose

Reconnecting people with the planet through the forest.

Cause

That people once again coexist in harmony with the planet and with themselves.

Seed

Taking care of the forest is taking care of yourself (at different levels).

Spiritual

Understanding of the value that each one has for the whole system.

Emotional

Connection with other living beings (plants, animals and humans).

Mental

Knowledge about the operation of the system and its connection networks.



2006

Granting of reforestation concession on behalf of Tatiana Espinosa



2010

Creation of ARBIO organization, Madre de Dios - Operations Center in the forest



2011

Launch of the website with adoption of hectares platform V1.0



2012

Start of monitoring mammals with camera traps



2013

Link native community - La Victoria - First census of trees



2016

Biological evaluation of reptiles, amphibians and birds



2021

- Launch of new website
- Carlos Ponce Artificer of Conservation Award to Tatiana Espinosa



2020

- Recognition to Tatiana Espinosa, granted by Women's Ministry
- ARBIO: Fragile Ecosystem
- Shihuahuaco Scientific Research Publication



2019

- New agreement for Conservation Concession
- International Jane Goodall Award (Nepal) to Tatiana Espinosa
- SERFOR recognition.



2018

Website renovation with new tree adoption platform.



2017

Start of the Large Tree Census Program

CONSERVATION

Team in the ranger camp 365 days a year patrolling and monitoring the forest to prevent logging and invasions of the territory.

- ✓ Land patrol → **800 km** on internal roads
- ✓ Rivel patrol → **3800 km** on the river.



SCIENCE

Research is the basis for knowing the biodiversity and characteristics of this forest. Scientific studies have allowed us to calculate the age of the most threatened species, the Shihuahuaco tree (*Dipteryx* sp), whose longest-lived specimen identified in the forest we protect would be more than 1,300 years old.



- ✓ **124** large trees registered in 2022 of 26 different species.
- ✓ **Shihuahuacos: 30** trees with ages between 200 and 1300 years old.
- ✓ **470 large trees registered and protected** in the new data base.
- ✓ The tallest tree: 54 m.
- ✓ Sampled area: 160 hectares .
- ✓ Average encounter: 1.3 trees/ha.
- ✓ Other species: Huimba (*Pachira insignis*) and Huito (*Genipa americana*) not recorded in previous censuses.



OUR PILLARS

AWARENESS

The communication we keep to spread the importance of protecting this ecosystem seeks to expand this greater awareness of respect for Mother Earth, our planet.



La defensora de árboles de mil años en Perú

Desde Madre de Dios, la ingeniera forestal Tatiana Espinosa lidera la protección de los últimos shihuahuacos, que son codiciados por su madera dura. Con su tarea, trata de evitar que este árbol milenario de la Amazonia se extinga en forma de parquets, muebles y carbón.



Tatiana Espinosa, ingeniera forestal, junto a un shihuahuaco en Madre de Dios, Perú. ARBIO PERU

Grupo AJE se une a ARBIO para proteger al Shihuahuaco, "el gigante milenario del Amazonas"

Lunes, 14 Marzo 2022 10:50



Lima, 14 de marzo de 2022.- La conservación de la Amazonia, así como la promoción de actividades productivas sostenibles que se den en ella, es una responsabilidad fundamental, ya que es importante poner todos los esfuerzos en detener la pérdida y degradación de especies de árboles emblemáticos, de los cuales dependen innumerables formas de vida, tanto de flora como de fauna.



HISTORIA | elperuano.pe | 14/12/2022

El Shihuahuaco Pierde la Batalla con la Tala Ilegal

País:

PERU

Autores:

Susana Lay
AMAZONIAFUTURO

Michael Towelle
AMAZONIAFUTURO



Imagen de Michael Towelle, Perú.



Imagen de Michael Towelle, Perú.

Los taldadores han puesto los ojos por fin en el shihuahuaco (del género ajayeni, un árbol enorme que puede llegar hasta mil años en alcanzar un diámetro de 120 cms y una altura de 50 metros, y cuyo diámetro, hasta hace algunos años, lo ha defendido únicamente de los motosierristas. Para eso está permitiendo la batalla.

Victor Raúl Quila dejó Ucayali a principios del año 2000 para mudarse a Puerto Maldonado y trabajar en la tala de control y legal, uno de los sectores que ya no se encuentran en los bosques de la cuenca del río Las Piedras.

"Vimos un grupo de doce personas especialmente para trabajar madera. Primero como obreros, después como motosierristas. Mi padre también era maderero, desde niño podía reconocer al shihuahuaco y al resto de árboles como la lupuna o el tornillo. Nuestro conocimiento del bosque es algo intuitivo. Yo ganaba cerca de 30 o 40 soles diarios, pero en principio vine a ganar 650 soles mensuales trabajando ocho horas diarias en una rutina como cualquiera."

Victor Raúl

BBVA en Perú @bbva_peru Oficial

¡Con #BBVA y #ARBIO tú puedes ayudar a preservar #Shihuahuacos de más de 1,000 años! Súmate a los #ProtectoresBBVA y juntos construyamos un futuro más verde para nuestra #Amazonia. Entérate más aquí: bit.ly/3UGgFZ8

#ProtejamosShihuahuacos

BBVA

Cada día se talan **504 árboles Shihuahuacos.**

En 3 años podrían desaparecer.

ARBIO PERU

HOLA Corazón del mundo

En BanBif queremos un futuro mejor

Por ello en el 2021 adoptamos 30 hectáreas de bosque amazónico que logran contener 3,600 toneladas de carbono acumulado.

Gracias a nuestra alianza con ARBIO Perú protegemos más de 10,000 árboles, entre los que se encuentran la especie "Shihuahuaco" con más de 500 años de vida.

- 1 árbol captura 1000 kilos de agua a lo anualmente.
- Conservemos proteger la biodiversidad.
- Gracias a las plantas se mantiene la calidad del aire.
- Customiza los recursos de las comunidades.

¡Tú también puedes ayudar adoptando un árbol!

Protejamos nuestros ecosistemas

Conservemos nuestra amazonia.

ARBIO PERU

BanBif

OUR CONTRIBUTORS

During this year we have been strengthening the human team and offering better field infrastructure for them. Throughout the year, the group had eight valuable exchange experiences with ten park rangers from a neighboring organization. Collaborative ties were strengthened in joint patrols and greater visibility in front of the loggers.





LEER MÁS



LEER MÁS



LEER MÁS

GianTrees

Italian organization that investigates the largest trees on the planet. Its founder, Andrea Maroé, and Tatiana climbed the highest trees in the concession in May 2022, with impressive results.

AJE Group

Business group in the food sector whose BioAmayu brand produces juices made with berries from a bush under a sustainable model with the ecosystem. This year they adopted 100 large shihuahuacos.

FBBVA – BBVA

The BBVA Foundation sponsored scientific research on large trees and the protection of 120 hectares of forest, for which it was recognized with the Bóscares 2022 award. Thanks to this alliance, a platform was launched for the adoption of Shihuahuaco trees with the exchange of BBVA points.



Jungle Keepers

Organization dedicated to the conservation of 30,000 acres of forest in the Las Piedras river basin, Madre de Dios.

BanBif

The Inter-American Finance Bank renewed its commitment to protect 30 hectares of forest.

Sociedad Peruana de Hidrocarburos

For the second consecutive year the SPH maintains the protection of 30 hectares of forest.

Magnesol

The Vidasol group protects 30 hectares of forest as part of its environmental sustainability actions to benefit the health of the planet.

INTERNATIONAL ALLIES



NATIONAL ALLIES



NATIONAL PRIVATE INSTITUTIONS

FUNDER	PROJECT NAME	OBJECTIVE	EXECUTION TIME
Own resources	Research station in the forest	Basic infraestructura: cabins, control tower and services	2011 - 2014
Own resources	Investigation of flora and fauna, census of trees	Obtain information on flora and fauna resources	2012 - 2015
Asociación para la Conservación de la Cuenca Amazónica – ACCA	Biological monitoring of the Manu Tambopata corridor	Assesment of mammals, birds, fish, reptiles and amphibians.	2013 - 2014
ANIA – Asociación para la Niñez y el Medio Ambiente	Forest inventory in two forests in Tahuamanu, Madre de Dios	Identification of species and census of trees	2017

NATIONAL GOVERNMENT INSTITUTIONS

FUNDER	PROJECT NAME	OBJECTIVE	EXECUTION TIME
FINCYT	Productive conservation model with Analog Forestry in Madre de Dios.	Forest nursery with Amazonian species	2014 - 2016
Innovate Perú	Ecotourism and forest adoption in the Piedras rives basin, Tambopata	Infraestructure for conservation ecotourism	2017 - 2019
Innovate Perú	Dissemination of the science of the Amazon forest	Communicate the importance of the Amazon ecosystem	2017-2018
Innovate Perú	Validation of the forest adoption service with technology and ecotourism.	Scalling conservation services	2021-2022
Mincetur	Development of a new product: Online Photographic Safaris	Development of conservation ecotourism packages in Tambopata.	2021

OUR PROJECTS

INTERNATIONAL PRIVATE FOUNDATIONS

FOUNDER	PROJECT NAME	OBJECTIVE	EXECUTION TIME
International Analog Forestry Network (Costa Rica)	Creation of a model plot of Analog Forestry in Madre de Dios	Implement Analog Forestry in the region	2013 - 2014
International Analog Forestry Network (Costa Rica)	Capacity building workshop in productive forests for families of chestnut growers and farmers	Train 30 families in Analog Forestry techniques.	Dec 2013
ARBIO Italy	Research and development of Amazonian products for the “edible forest” project	Development of forest products for export	2013-2015
EQUOMERCATO (ITALY)	Export of Amazonian products to Italy	Export chestnuts and jams (copoazu, carambola and arazá)	2014-2016
NANDO PERETTI FOUNDATION - NPF (ITALIA)	Biodiversity conservation of the native species Vanilla spp. (Orchidaceae)	Investigation of the native species of Vainilla spp.	2017 - 2018
BluoVerda Deutschland e.V. CIM Diáspora	Near real-time deforestation monitoring of local protected áreas in the Amazon region	Create a database of research and development processes in forests monitoring of tropical forests in Latin America	2021-2022





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Asociación ARBIO Perú

Coexistir con el bosque es posible
Coexistence with the rainforest is possible

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