Health In Harmony Radically Listens to Indigenous Peoples and local communities (IPs & LCs) and then invests in their intersectional, planetary health solutions to reverse the loss of tropical rainforests.

Impact is measured through data on carbon, biodiversity, and community thriving narratives. This is then leveraged to increase confidence and investment in rainforest peoples’ proven climate solutions.

HIH will assist rainforest communities to safeguard roughly half (650 million hectares) of Earth's climate-critical tropical rainforest by 2030.
Reversing the loss of Earth’s tropical rainforests is the fastest, most affordable, and most effective way to reduce global heating, protect half of Earth’s species, and decrease the risk of future pandemics.

Rainforests make up only ~4% of the Earth’s surface. Yet they hold ~25% of the planet’s carbon. Absorbing between ¼ and ⅓ of human-generated emissions yearly. Rainforest preservation is integral to halting the climate emergency.
A MESSAGE FROM HIH’S Co-CEOS

Health In Harmony has 17 years of experience in Radically Listening to rainforest communities — the true experts at stewarding rainforest ecosystems — and in transferring resources to support their holistic, planetary health solutions, which are rooted in Indigenous and Traditional knowledge. From the Amazon Basin to Indonesia, and across Africa, rainforest communities teach us about the interconnection between health, livelihoods, education, and the importance of traditional practices and self-determination.

In 2023, Health In Harmony launched a global coalition with Woodwell Climate Research Center and Pawanka Fund to unite community-designed solutions with data at scale. We have initiated strategic partnerships with the Ministry of Health in Indonesia, Doctors Without Borders (MSF) and Ny Tanansitka in Madagascar to increase collaboration and achieve our audacious vision. To expand our planetary health impact we are building an international team that possesses the professional and lived experience required to realize impact at scale. In the coming year, we will focus on improving and nourishing existing innovation sites in Indonesia, Madagascar, and Brazil, while expanding significantly into dozens of new rainforest communities.

In 2024, we are launching an exciting portfolio of scale programs in Brazil, Panama, Madagascar, and Indonesia with several partners to test the performance of various scale strategies: partnerships, technology, and advocacy/influence. Impact data and learning gathered will help refine how we operationalize scale across these three strategies, build robust strategic collaborations, and provide a foundation of readiness for increased investment in community-designed solutions.

Enormous gratitude to you all,

Jonathan Jennings
CEO - Advocacy, Talent and Operations

Ashley Emerson
CEO - Business and Scale
Voices of the community

Former logger Sunardi became the 172nd member of the Chainsaw Buyback program. With capital investment and business assistance from ASRI and HIH, Sunardi has now made a just transition to become an organic farmer.

“When I was logging, I didn’t think about the negative impact of cutting down trees in the forest. Now you can feel the impact. The air temperature feels hotter. The dry season is short, and clean water is immediately difficult to access. If the mountains here are bare, we will be finished. Now I have started a new job as a gardener and stopped cutting down trees in the forest. It was enough for me to go into the forest as a logger, I won’t let my son repeat my mistakes.”
COMMUNITY-DESIGNED SOLUTIONS

INNOVATION SITE: GUNUNG PALUNG RAINFOREST (SINCE 2007)

- Improved healthcare access
  - Medical center and mobile health clinics

- Just transition and training in alternative livelihoods and small business start-ups

- Strategic Reforestation
In 2023, ASRI (HIH’s implementation partner) forged a pivotal new partnership with the Indonesian Ministry of Health to expand into 3 new rainforest locations including Papua, focused on operational excellence, and expanded work alongside communities in Gunung Palung National Park (GPNP).

ASRI also deepened relationships with the Ministry of Environment through the ASRI Kids and Teens planetary health education program, producing educational materials adopted by schools.

This work saw ASRI named as a winner of the World Economic Forum’s Forest and Health Challenge, honored with the Indonesian Ministry of Environment and Forestry’s 2023 Nature Conservation Award, and the Smart Practices Award at the Eastern Indonesia Regional Forum Festival.
Responsive to healthcare needs

After analyzing data on forest loss, ASRI and HIH noticed an increase in logging on the eastern side of Gunung Palung, responding with the initiation of mobile clinics for four communities in the area.

11,899 patient visits were successfully executed in total across communities and all ASRI clinics in Indonesia.

ASRI provided immunization services for 17 diseases with a total of 530 injections throughout 2023.

Fostering alternative livelihoods

Goats for Widows, Chainsaw Buyback, and Organic Farming continue to be popular with the communities surrounding Gunung Palung.

32 former loggers handed in their chainsaws through the Chainsaw Buyback Program in exchange for startup funding and coaching.

12 farmer groups across the catchment area regencies engaged in organic farming techniques and training on financial management and profit estimation to ensure the highest return from their crops.

ASRI supported farmers in acquiring equipment like hand tractors, accessing irrigation systems, and sourcing seedlings.
Improving seedling survival

ASRI worked alongside local community members to reforest 62 total hectares in 2023.

70-80% seedling survival rate via routine evaluation, monitoring, and enrichment planting, despite challenges like flooding.

New peat swamp reforestation site in the isolated region of Perupuk.

The reforestation team and local communities conducted pilot planting and testing for seedling resilience and survival.

Engaging youth in Planetary Health

The grand launch of environmental education books developed in partnership with ASRI, the Ministry of Environment, and NGOs in Kayong Utara Regency gave young people access to information on local wildlife, climate change, and environmentally-friendly lifestyle tips.

The books will be integrated into the curriculum of local schools over the next year, instilling a planetary health mindset in more young rainforest defenders.

84 children were reached via the ASRI Kids program in 2023.

119 youth engaged with planetary health camps and workshops through ASRI Teens.
In West Kalimantan, bamboo and rattan are used in wickerwork crafts. **Bu Lina**, a skilled craftswoman, has woven wonders from natural materials found in the forest since childhood.

“If the forest is destroyed, so is our source of life.”
Scaling in Indonesia

In 2024, alongside an expansion of staff capacity and infrastructure, ASRI will boost support on the eastern side of GPNP after identifying an increase in palm oil production. ASRI will also pilot Radical Listening with communities in three sites; Tambrauw in Papua, Bogani Nani Wartabone in Northern Sulawesi, and Gunung Leuser in Sumatra.

In collaboration with the Indonesian Ministry of Health, HIH and ASRI will collectively address primary healthcare, community well-being, forest loss, zoonotic spillover prevention, and biodiversity loss, creating a global model in addressing human and ecosystem health as interconnected issues, with the potential for involvement from other ministries.
MADAGASCAR
Voices of the community

Justine Ralahady is a community member from Sahamahitsy village. She supported the creation of a local, rural mobile clinic site, a garden around the mobile clinic site, and has helped implement a latrine for the mobile clinic as well as local water, sanitation and hygiene (WASH) programs. Gaining environmental and health education, Justine has become a natural leader on this topic.

“Protecting the environment has become natural for me, mostly the protection of the Manombo Rainforest. In the past, lots of people have used charcoal production here at Sahamahitsy, but HIH has helped to provide adequate support for alternatives, meaning this has diminished. I continue to urge others here to protect the forest.”
COMMUNITY-DESIGNED SOLUTIONS

INNOVATION SITE: MANOMBO RAINFOREST (SINCE 2019)

- Improved healthcare access through mobile clinics
- Focus on maternal and infant health
- Just transition and training in alternative livelihoods and small business start-ups
- Strategic Reforestation
- Climate resilient agriculture training for increased food security
KEY 2023 HIGHLIGHTS

42 hectares reforested

8,342 patient visits conducted

1,465 people supported in alternative livelihoods

850 latrines built
Security measures and Climate Resilience

In 2023, preparation for climate shocks, especially cyclones, remained a high priority for local community members and HIH around the Manombo Rainforest, who infused climate resilience into all programming, including; creating emergency response protocol, creating tree nurseries that are drought and flood resistant, and localizing basic healthcare should rural areas become unreachable.
31 communities surrounding the Manombo Rainforest are supported by HIH Madagascar.

Cervical cancer numbers for 2023:
- 647 patients screened for cervical cancer
- 52 positive
- 44 treated

12 monthly mobile clinics offering services to all communities.

A strategic shift to nurse-led care allowed doctors to focus on more complex cases and a Health Guardian program that trains and employs community-selected villagers, usually women, to support vaccinations, malaria and malnutrition treatments, and household medical screenings.

Testing for schistosomiasis, a neglected tropical disease (NTD) caused by parasites that pass from freshwater snails to humans through water sources, finding that up to half of the children in some villages harbored the parasite.

Focussing on women’s health through cervical cancer screening while preventing communicable disease and neglected tropical diseases (NTDs) at the community level through improved water, sanitation, and hygiene (WASH) practices – including installation of latrines in 850 households.
MADAGASCAR

Shifts to sustainable agro-farming

In 2023, HIH Madagascar deepened partnerships with Madagascar National Parks and the Ministry of the Environment to advance reforestation and agroforestry.

Community members reforested 42 hectares of Manombo Rainforest, expanding the habitat for critical wildlife like Manombo's lemur population.

15 hectares of community members' land were donated to be planted with cash crops like coffee, jackfruit, vanilla, cloves, and pepper.

HIH built two new climate-resilient seedling nurseries, totaling 13 seedling nurseries supported by HIH, showing a seedling survival rate of 58%, high for Madagascar where reforestation is difficult due to poor soil quality, unpredictable rain, and cyclones.
Expanding farming schools

513 households were supported by the community-designed livelihood program in 2023.

HIH hosts thirteen farming schools in thirteen different villages that provide training on agroecology, rice cultivation techniques, worm compost, drip irrigation, and more.

The sustainable agriculture program has supported communities to harvest cassava, yams, sweet potatoes, and other vegetables (cabbage, carrots, zucchini, peas). Participants say that the techniques they learned supported them to produce enough storable food to sustain their families during the hunger season.

Safeguarding forests

16 Health In Harmony Forest Guardians work alongside communities to protect the Manombo Rainforest.

In 2023, each Forest Guardian received a smartphone equipped with an app for tracking indicators of forest disturbances like logging, logging routes, and forest fires – by the end of 2023, Forest Guardians were successfully using the app despite varied initial literacy.

Forest Guardian's observations bolstered HIH Madagascar’s Health Incentive system, offering communities healthcare discounts according to their levels of forest protection. At the end of 2023, HIH supported 7 red villages (25% healthcare discount), 10 yellow villages (50% healthcare discount), and 14 green villages (75% healthcare discount).
In collaboration with Madagascar’s Ministry of Health and Saarland University in Germany, HIH has introduced microscopes and accompanying training for the detection of neglected tropical diseases (NTDs).
Scaling in Madagascar

Scaling in Madagascar has begun through a historic partnership with HIH, Doctors Without Borders (MSF), and local Malagasy NGO, Ny Tanintsika (NT).

MSF and HIH have committed to a five-year joint pilot project in which HIH will work beside and assist MSF to operationalize planetary health - positioning MSF’s best-in-class medical action in Madagascar inside an intersectional framework designed by IPs & LCs through Radical Listening.

HIH and MSF will work beside NT, who brings over 20 years of experience working alongside communities in Ikongo, and local communities to implement community-designed water, sanitation, and hygiene (WASH), education, conservation, and agriculture projects.
BRAZIL
Voices of the community

“The Indigenous woman is a warrior who protects and fights together with her people, with her head held high, to strengthen her culture and protect the land where she lives. She fights with an inexplicable strength that does not allow her love for nature to weaken. This love is inside every Indigenous woman who defends and protects her people in the Amazon.”

Lúcia Xipaya was born in Joa, near the town of Altamira. She uses traditional medicines from the forest, producing anti-inflammatory ointments, soaps with copaiba, andiroba and cocoa butter, and aromatic candles with medicinal oils. Lúcia is identifying and cataloging species of medicinal importance in order to help ensure their long-term protection as part of efforts to strengthen traditional medicine in the Kaarimá Village established between the Juma Institute and SAMA Health In Harmony.
COMMUNITY-DESIGNED SOLUTIONS

INNOVATION SITE: XINGU RIVER BASIN, AMAZON RAINFOREST (SINCE 2019)

- Improved healthcare access
  - Mobile health expeditions and telemedicine
- Support bringing non-timber forest products to market (Forest Economy)
- Education support
1,826 patient visits conducted through 3 mobile health clinics

1,424 vaccines provided, including COVID-19 and routine vaccinations

200 people earning revenue from a Forest Economy System with direct support from SAMA-HIH
After three years of working alongside Indigenous and traditional communities, SAMA-HIH (HIH’s affiliate in Brazil) is strategically expanding community-designed healthcare and forest economy initiatives within the Xingu Basin.

Governmental backing from the Brazilian Ministry of Health has advanced key healthcare projects, including telemedicine services and training government healthcare professionals in IP & LC specific care in 2023.

SAMA-HIH has prepared to extend its forest economy operations and Radical Listening to ensure that a broader spectrum of IPs & LCs in the Xingu region can benefit from investments in their self-designed solutions, safeguarding their lands and communities.
SAMA-HIH has continued to enhance well-being in the Terra do Meio region where analysis of health and food security data alongside Stanford University aided the understanding of health challenges like malaria.

Additionally, SAMA-HIH has implemented a health fund to help cover the costs of medical treatments in Altamira, ensuring that Indigenous and traditional forest guardians have healthcare access without resorting to forest-degrading income alternatives.

SAMA-HIH has conducted multiple health expeditions, providing direct medical services to communities in remote areas.
SAMA-HIH updated the Cantinas Network’s business approach in Terra do Meio, a collaborative of over 3,000 Xingu IPs & LCs focused on sustainable extraction and marketing of non-timber forest products like Brazil nuts and Babassu flour.

Meetings aimed to strengthen governance, financial health, product strategies, and market access.

SAMA-HIH hired community consultants for training in copaiba and andiroba oil extraction and handicraft production, adding two new product lines to the Network.

SAMA-HIH installed Starlink Internet to streamline communication, invested in new equipment, transitioned solar energy, and upgraded facilities.

With the Rio Novo community, SAMA-HIH transformed a mini-factory into an educational center for knowledge sharing and technical training, as well as investing in the development of traditional medicine and high nutritional value food products.

The Rio Novo team conducted tests on dried fruit formulations and collaborated with Instituto Socioambiental (ISA) for infrastructure improvements. Installing a fruit dehydration system was a major step in product testing.

In the Xipaya Indigenous Territory, communities increased the extraction of copaiba and andiroba oils. The Pyjahyry Association consulted on extraction methods, emphasizing Indigenous knowledge.

Elsewhere, SAMA-HIH initiated Radical Listening sessions with the Juruna tribe and the Arara Indigenous Territory, revealing interests in cocoa production and traditional medicine.
Scaling in Brazil

In 2024, SAMA-HIH will apply its Radical Listening approach in new Indigenous Territories alongside the Pawanka Fund. Remote monitoring data from Woodwell Climate Research Center suggests the Cachoeira and Apyterewa Indigenous Territories as sites of urgent, ongoing, and potential carbon loss, where Radical Listening will begin in March 2024.

A new innovative tool developed by Woodwell, the Landscape Capital Index, will ensure HIH-SAMA and IPs & LCs can maximize the impact of investments on carbon sequestration, making a significant step towards a more sustainable and equitable future.

SAMA-HIH will continue its work with the traditional communities providing advocacy. Alongside established partners like The Cantinas Network and Instituto Socioambiental (ISA) SAMA-HIH will implement new community solutions and improve existing initiatives in the Xipaya Indigenous Territory of the Xingu throughout 2024.
RESEARCH

Spotlight

Health In Harmony collaborates with global researchers to grow the evidence base for operationalizing community-designed solutions for Planetary Health. Research projects at innovation sites in Indonesia, Madagascar, and Brazil reflect the impact and importance of cross-disciplinary solutions for health, livelihood, and conservation.

In 2024, HIH is excited to continue research with a specific focus on understanding the joint drivers of deforestation and tropical diseases prevalent in rainforest communities. This year will also see further roll-out of CommCare, a data collection tool that will enhance data collection and analysis capabilities and remove more of the burden of data collection from rainforest communities.

Insect Farming

HIH is working with Madagascar Biodiversity Center to explore the utility of insect farming as a source of both natural fertilizer and nutritional supplements. Following community requests, MBC and HIH will pilot 7 community-led insect farms in 2024. Farmers will collect insect frass as a form of low-methane fertilizer and incorporate insect powder into traditional meals.

Disease Research in Madagascar

In Southeastern Madagascar, HIH is partnering with the Ministry of Health to train 35 local medical professionals to diagnose schistosomiasis and tuberculosis. HIH is integrating this capacity building with a research study monitoring the impact of climate shocks on the prevalence of schistosomiasis in rainforest communities and their water sources.

Malaria and Deforestation in Brazil

SAMA-HIH, The Federal University of Para, and Stanford University are designing a project to better understand the drivers of deforestation and malaria in the Brazilian Amazon. Cross-disciplinary approaches to rainforest conservation in Amazonian Riverine communities could better human health, slow climate change, and protect biodiversity found in forests.

Key Highlights
2023 was a year of high visibility that brought Health In Harmony’s collaborative work and goals to the global stage. Over the year, HIH participated in leading climate justice events in Paris, New York, and Dubai, centering Indigenous voices and solutions in the process. This included invitations to present alongside the World Health Organization, Woodwell Climate Research Center, Pawanka Fund, International Union for Conservation of Nature, Cornell Medical School, Doctors Without Borders/MSF, and the United Nations at COP28, as well as Climate Week NYC and Change Now.
Quotes from **COP28**

“It is important to support organizations like Health In Harmony because of how Radical Listening has been so critical to build initiatives that are based on community needs.”

– Omnia El Omrani, MD, Policy Fellow at Imperial College London, COP28 Health Envoy, and COP27 President First Youth Envoy, Associate Board Member, HIH

“I am thrilled to be working with Health In Harmony because we talk collaboration and partnerships and we all have many but this is really a deep collaboration and partnership.”

– Stephen Cornish, Director General Operational Center Geneva, Doctors Without Borders (MSF)

“Health In Harmony really highlight that concept of planetary health. That concept that the Indigenous Peoples have about health, that it’s not only physical health but it’s based on our intimate relationship with mother earth.”

– Dr Myrna Cunningham, Chair, Pawanka Fund, Centro para la Autonomía y Desarrollo de los Pueblos Indígenas (CADPI), Nicaragua

“Health In Harmony is a shining example of how nature-based solutions are really implemented on the ground.”

– Christina Romanelli, Biodiversity, Climate Change and Health, World Health Organization
Press & Publicity

In 2023, HIH was spotlighted in a diverse range of in-depth coverage in national multimedia outlets. Key 2023 media highlights for HIH included: BBC, ProPublica, National Geographic, Mongabay, The Nation, and Forbes.

In 2023, HIH’s press and publicity footprint was significant with 75 media placements in total.

ProPublica lauded Health In Harmony as “working creatively across health, agriculture and the environment” and a “key to prevention” of future pandemics.

Links to Key Highlights:

- **July 2023**
  - Health In Harmony Awarded Keeling Curve Prize Laureate

- **BBC**
  - How Healthcare is Helping Regrow Madagascar’s Rainforest

- **ProPublica**
  - They Set Out to Save Rainforests — and Could Help Prevent the Next Outbreak

- **TED**
  - TED TALK: How to stop the next pandemic? Stop deforestation

- **The Nation**
  - In Turbulent Times, Look for the Helpers
In 2023, the Rainforest Exchange was officially launched at New York Climate Week as a groundbreaking coalition between Health In Harmony, Pawanka Fund, and Woodwell Climate Research Center. The coalition will unite investment, Indigenous Peoples’ expertise, and data to sustain and scale traditional and nature-based solutions to the climate emergency. The work of Rainforest Exchange will protect rainforests — critical carbon sinks and homes of biodiversity — across the globe in the long term.
Thank you to our donors

Health In Harmony’s collaborative work with Indigenous Peoples and local communities globally would not be possible without the support of generous donors like you.

From the rainforest communities in Indonesia, Madagascar, and Brazil, and the Health In Harmony team, thank you for investing in hope in 2023.

Together, we reforested rainforests and improved access to critical and lifesaving healthcare, all through the design of rainforest communities themselves.
Invest in Hope!
Continue making a planetary health difference for people and the planet today!

Become an Ironwood:
Just like the strongest tree in the rainforests of Borneo, monthly donors are HIH’s strongest supporters. Join 300+ Ironwoods in this circle to fortify and sustain the roots of HIH!
Visit healthinharmony.org/ironwoods to learn more.

Offset your carbon:
Did you know you can offset your carbon footprint with HIH? Make a donation to plant **and protect trees**, supporting vital rainforest habitats and all those who call them home.
Visit healthinharmony.org/offset to learn more.
2023 INCOME

Foundations: $3,225,000

Individuals: $2,055,000

Government: $610,000

In-Kind: $70,000

Corporations: $55,000

Community Organizations: $45,000

Earned Income: $110,000

Total: $6,170,000

We are a proud recipient of the Candid (Guidestar) Seal of Transparency and a Four-Star Charity Navigator rating.
We are a proud recipient of the Candid (Guidestar) Seal of Transparency and a Four-Star Charity Navigator rating.
Photography credits:

Aina Eric Andrianarisata
Isadora Brant
Mahefantsoa Nantenaina Claret
Irvan Disini
Charlotte Fraiberg
Stephanie Gee
Cleidiane Carvalho Ribeiro
Marcelo Salazar
Michelle Saunders