









TITOUAN BERNICOT

Founder & CEO

EORE ORE

2023 has been one hell of a year for Coral Gardeners – our most impactful yet.

We expanded our project beyond our island home to open our first international branch in Fiji. When I started to plant corals, this is exactly what I dreamed to do – share my passion with the world and make coral gardening a full-time job. Today, I couldn't be more stoked to create opportunities for people to make a career out of restoring the

wild places they love the most, in their own backyard.

Meanwhile expanding globally, our project kept growing this year. We reached our ambitious target of planting more than 100,000 corals since our beginning while raising awareness to millions and pushing the boundaries of science and innovation through our CG Labs. Alongside our incredible community and legendary partners like Rolex and National Geographic, and ambassadors such as Jason Momoa and Cristina Mittermeier, we hit a new level of planetary influence this year, creating a global movement for the reef. On behalf of all of the Coral Gardeners, thank you for your support.

This is only the beginning of our mission as we work together to revolutionize ocean conservation to save the world's coral reefs. I have never been more excited and focused to continue this journey alongside my team and all of you. It's on!

Coral Gardeners started as a small band of island kids who witnessed the rapid degradation of their local reef break in Mo'orea. French Polynesia, only to realize the full extent of this worldwide crisis.

Today, our organization has evolved into a global movement, dead set on saving the world's coral reefs through active restoration efforts, led by science, powered by innovation, and amplified with community awareness and engagement.

Our ambition is unprecedented with the aim to drastically scale up and democratize coral reef restoration around the world to regenerate the ocean. We set out to scientifically prove the efficiency of this climate adaptive solution to boost coral reef resilience and biodiversity. This

"CORAL REEFS **ARE THE MOST BIODIVERSE AND** VALUABLE ECOSYSTEMS ON OUR PLANET, YET THEY ARE ONE OF THE **MOST IMPACTED BY CLIMATE CHANGE AND HUMAN PRESSURES,** IN PERIL OF GOING **EXTINCT BY 2050."**

way forward will require a good dose of boldness and humility, which is exactly what we are all about at Coral Gardeners.

In 2023, we progressed towards our big objective to plant one million corals around the world, as we officially opened our first international branch in Fiji, integrating more communities into our mission. Beyond planting more corals this year, our efforts are now proving to restore entire reef ecosystems, utilizing specialized tools and science developed by our CG Labs. We changed up the dynamic to build more cohesion, and with it, a much higher magnitude of impact. We are thrilled to share our evolution and 2023's accomplishments with you all, so let's dive in!









ECOSYSTEM RESTORATION

CORALS PLANTED 100, 870 SINCE 2017

12,494 M2 OF REEF

45 DIFFERENT CORAL SPECIES PLANTED

REEFS RESTORED

The core of our mission focuses on coral reef restoration.

Our team is actively growing climateresilient corals in nurseries to plant them onto the reef and assist the natural recovery of the ecosystem, ultimately restoring all the services and wonders it provides.

In 2023, we brought our ecological impact

to a new scale as we hit our six-figure target and planted more than 100,000 corals since our beginning, restoring our first hectare of reef. To reach this milestone, we substantially increased the number of corals nursed and outplanted back in the wild, between French Polynesia and Fiji, where we established our first international branch. If this is any indication of where our efforts are headed, the trajectory is set towards our bigger objective to plant one million corals around the world to rewild our ocean.

CORAL PLANTING

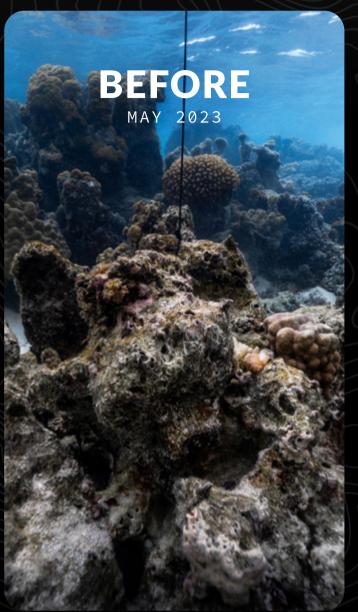
69,890

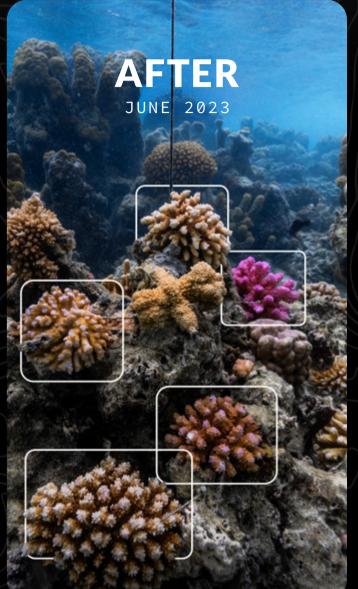
corals planted in 2023

82 %

average survival rate

In 2023 alone, we outplanted 69,890 corals – a record-breaking achievement representing 4x times the number of corals we had been able to plant in the previous year.





As we increased our efforts across French Polynesia and Fiji, we kept working on perfecting our methods to adapt to the various reef sites and make the most impact. In our home garden in Mo'orea, we transitioned to a new method this year to mitigate predation and promote better results by outplanting whole coral colonies as big as 10x the size of the average fragment we used to plant. By carefully moving thousands of mature colonies from our nurseries to the nearby reef, the entourage of fish and marine life that found a home in these corals throughout their growing phase followed suit, directly regenerating the biodiversity, complexity and abundance of the once-degraded reef. This strategy enabled us to successfully flip the reef's dynamic to a resilient, coral-dominated ecosystem, displaying an impressive survival rate of over 85%.



CORAL NURSERIES

26,159

corals in nurseries

10

nurseries sites 92%

average survival rate

This year, our gardeners spent as much time outplanting corals as they did seeding new ocean-based nurseries with heat-resilient corals to keep the restoration cycle going.

Building upon the success of our methods to propagate mature corals, we ramped up our capacity, nearly tripling the stock of corals growing in our nurseries than prior years.

Our gardens in Mo'orea have exceeded their original purpose of coral nurseries as they transformed into full-fledged reef ecosystems.
After years of maintenance and monitoring, our baby fragments grew into mature corals chosen by all kinds of marine life as their new homes, making our nurseries hubs for biodiversity and abundance. Through our network of Al-cameras, we were able

to identify more than 100 different marine species this year, from tiny blue chromis damselfish to reef sharks, living in our main nursery in Tiaia. At one point, our gardeners even surveyed more than 5,000 individual fish bustling around our nursery in just one day — this is regeneration to its core.











In 2023, we reached a new milestone during the spawning season in French Polynesia as we spotted our first eggs within our nursed corals, providing strong evidence that our methods are successful in growing sexually mature corals. This significant discovery proves that our work leads to the natural renewal of genetically biodiverse corals, bringing our restoration efforts full circle towards our end goal of an enhanced reef.



FIJI BRANCH

Our first international location

[11,556]

10,900

corals planted

corals in nurseries

45

different coral species

Fijian gardeners

fully operational HQ

After more than two years in the making, including countless brainstorming sessions, stakeholder meetings and scouting trips, 2023 marked the opening of our very first international branch in Fiji, on Malolo island.

As part of the Polynesian Triangle, Fiji came as an obvious choice as our next location to expand our gardens considering its environmental and cultural similarities with French Polynesia, amongst its local community's commitment to prioritize the conservation of their ocean ecosystems.

Home to the third-largest barrier reef in the world, Fiji is surrounded by beautiful, yet highly vulnerable coral reefs. This is where our long-term strategy comes in to restore coral coverage and biodiversity in degraded areas of Malolo's barrier reef. Our work has been endorsed by the Fijian Government, as part of their One Million Coral Planting Program, in addition to permission and blessing from local tribe leaders to perform restoration on their reefs during a traditional ceremony, called Sevusevu, making our objective achievable.









In only a few months, our Fiji team, trained by our scientists and mentor, Dr. Austin Bowden-Kerby, put in the hard work to contribute to our overall restoration goals.

In 2023, the Fijian gardeners started the groundwork and seeded three newly-built nurseries with nearly 11,000 corals, all collected from the wild for their thermal resiliency and biodiversity, focusing on Acropora and Pocillopora similar to our strategy in French Polynesia. In addition, the crew was able to outplant about as many corals, which they rescued from the seafloor to plant back onto reef areas where they will have a better chance to thrive all on their own.

Wilson, Leba, Jerome, Kolora, Eunice, Kalani and Uri, and our partner Six Senses Fiji, thank you for joining our Coral Gardeners family and for taking part in our mission. This is just the beginning of our expansion to reach the level of impact needed to save the reef.















BACK

CHAPTER 02 SCIENCE & INNOVATION

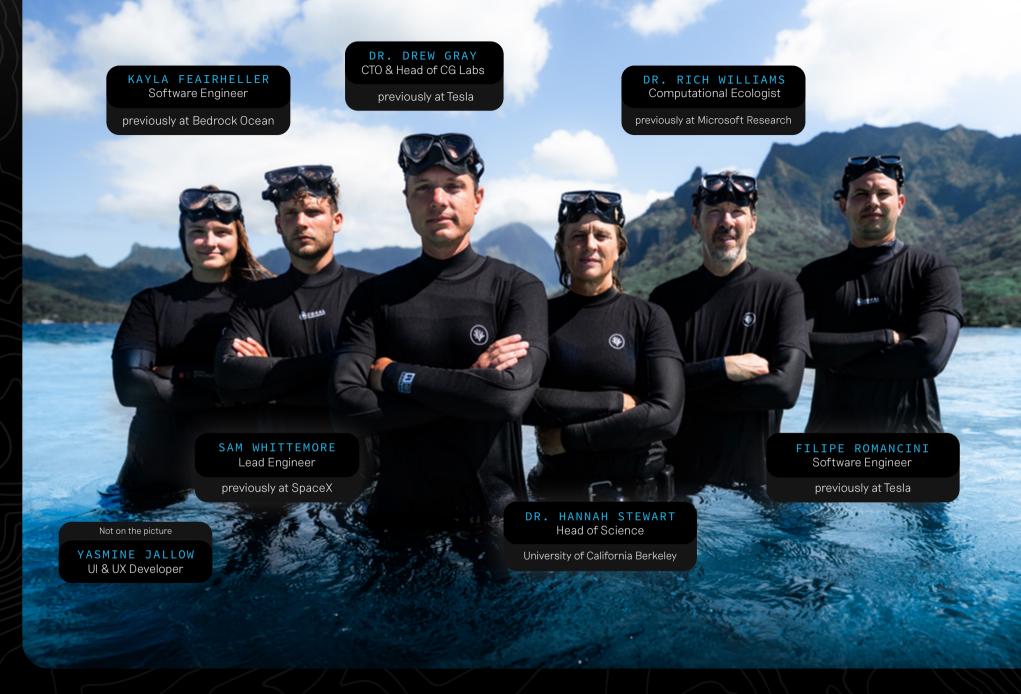
IMPACT 23

CG LABS ENGINEERING THE FUTURE OF RESTORATION

CG Labs is our in-house research and development center where world-class engineers and scientists meet the gardeners to advance the field of reef restoration.

In 2023, our CG Labs team added major updates to our ReefOS platform, which has become a full end-to-end suite of cutting-edge technologies assisting the entire restoration process, from site selection to the nursery and outplant phase, towards a successfully restored reef. ReefOS now integrates real-time monitoring, aerial and underwater mapping, plus geospatial visualization, providing a robust solution to better analyze, understand and preserve marine ecosystems.

The tools developed by our CG Labs are meant to be deployed in each of our branches and shared with practitioners around the world, setting new standards to streamline and scale up coral restoration efforts.



We would like to thank our long-term partner, Oceankind, for joining us in building tomorrow's solutions and technology for the reef.

REAL-TIME MONITORING

Reef CAM

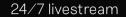
In 2023, CG Labs deployed our own Al-powered camera, fully designed in-house and purpose-built for reef health monitoring.

This first-of-its-kind device runs 3D computer vision that autonomously and continuously tracks the species, sizes and functions of the fish moving back in our coral gardens. Along with capturing imagery, the cam features a hydrophone that records reef sounds to further monitor trends in both biodiversity and abundance. CG Labs even incorporated connected sensors into the camera system that provide real-time water temperature to assess the conditions of our sites and better predict possible bleaching events.

By combining ecology, biology, and technology, our ReefOS camera allows for a more comprehensive understanding of the ecosystem, guiding our efforts and providing data-driven evidence of our impact. •









Fish species identification



Water temperature sensors



Hydrophone

The camera live streams our coral gardens on YouTube. Watch at any time here.









REEF HEALTH MODEL KEEPING SCORE



This year, CG Labs developed a new Al model to assess reef health in one holistic score based on data collected by our camera.

To do so, our scientists first dove into a wide dataset of previous reef surveys (LTER) to determine three primary dimensions driving coral reef health: fish community, benthic cover and environmental temperature, which were then used

to train our Al model.

In our main connected site in Mo'orea, our model scores high, with a diverse community of key fish species detected, a benthic cover mostly dominated by corals compared to algae, and an optimal temperature, all of which indicate a flourishing restored reef.

LTER: The Mo'orea Coral Reef Long-term Ecological Research, University of California Berkeley, Gump Station



FISH COMMUNITY

Other Surgeonfish Butterflyfish



Parrotfish Brown Tang

This model provides a reliable metric to measure our impact at any point in time—before, during and after our restoration efforts, allowing our gardeners to adjust their strategy to increase the benefits for the reef.

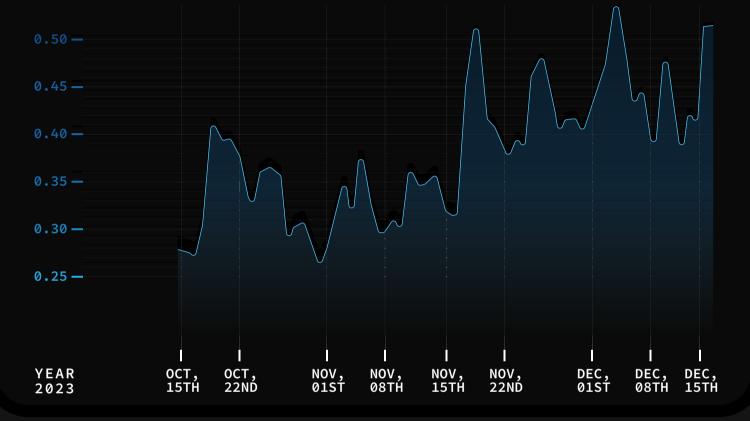
BIOACOUSTICS LISTENING TO THE REEF

Reef CAM

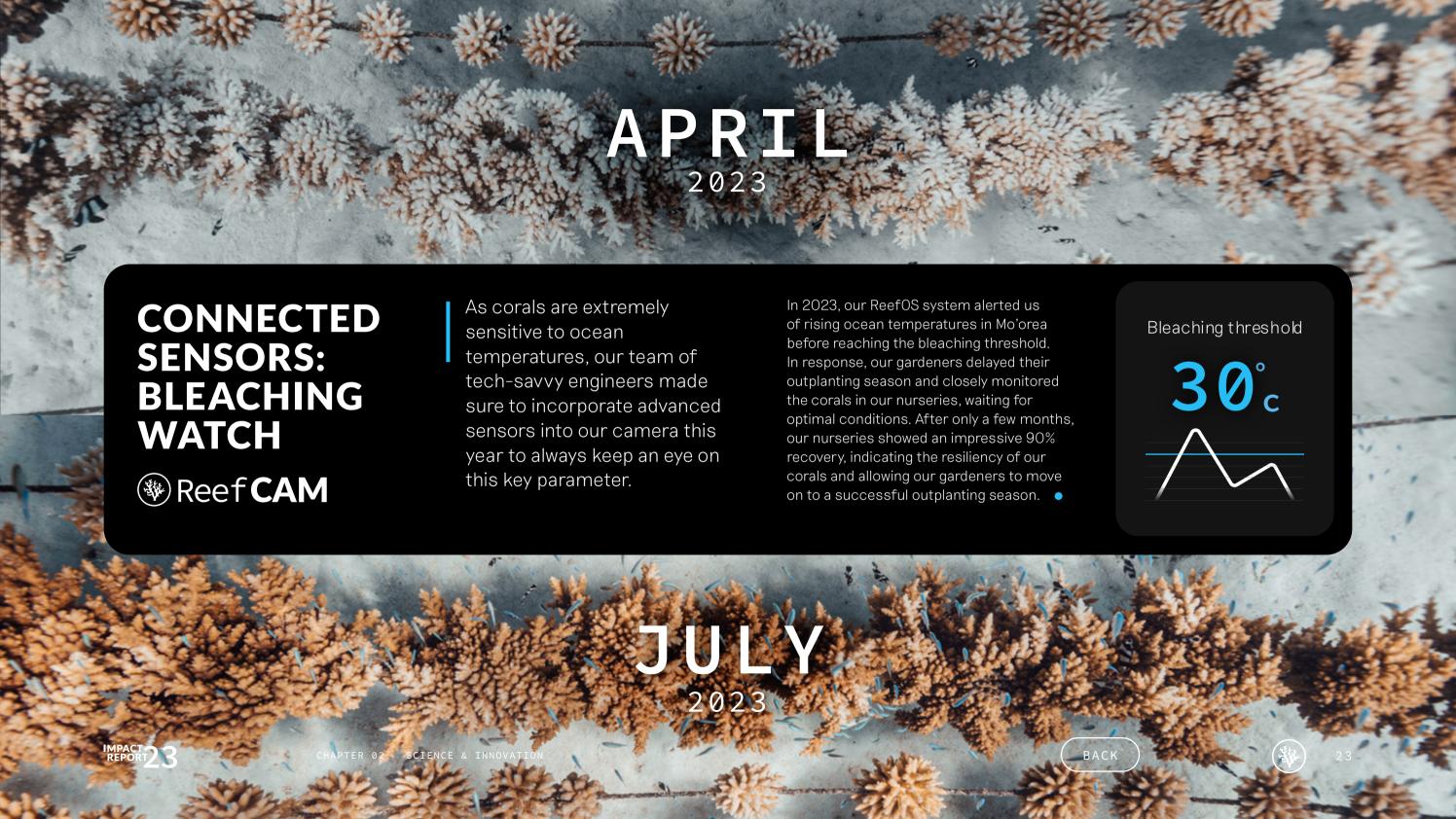
To push our monitoring capabilities further this year, CG Labs started to collect reef soundscapes with the built-in hydrophone on our camera, offering a unique perspective on coral reef health through the thousands of sounds of its diverse inhabitants.



BIOACOUSTIC INDEX - OUTPLANT SITE MO'OREA



In our main outplant site in Mo'orea, our camera recorded a clear trend with significant spikes in the bioacoustic barometer, showing our efforts are bringing more fish and life to the reef, making it busier, noisier and healthier. With this additional monitoring method, we can cross-validate results and further our knowledge of the ecosystem to better restore it.



CG Labs is collecting real-time data about the health of coral reefs to help monitor and restore them, with a level of precision and potential to scale that would be impossible for humans to obtain alone.







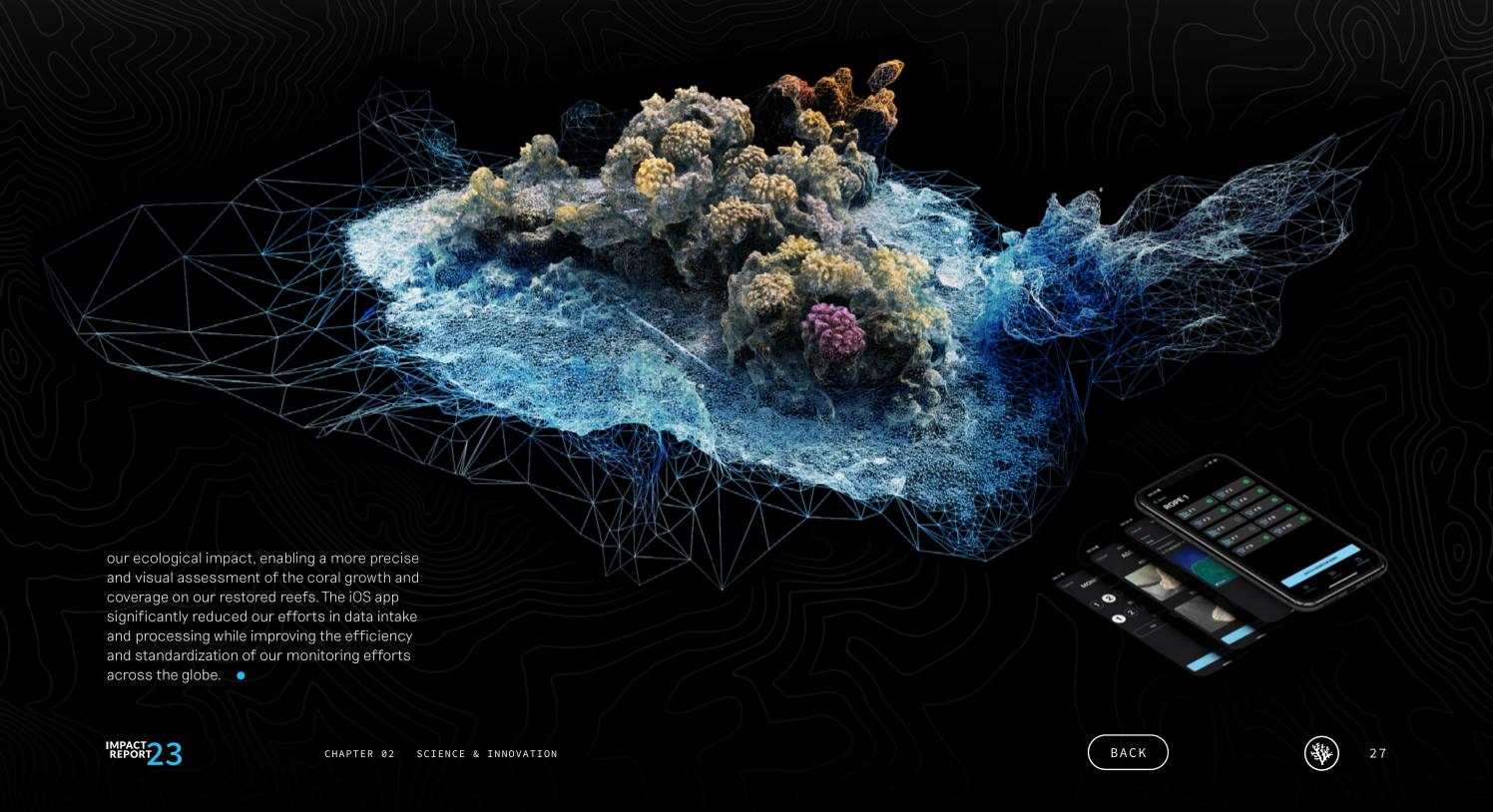


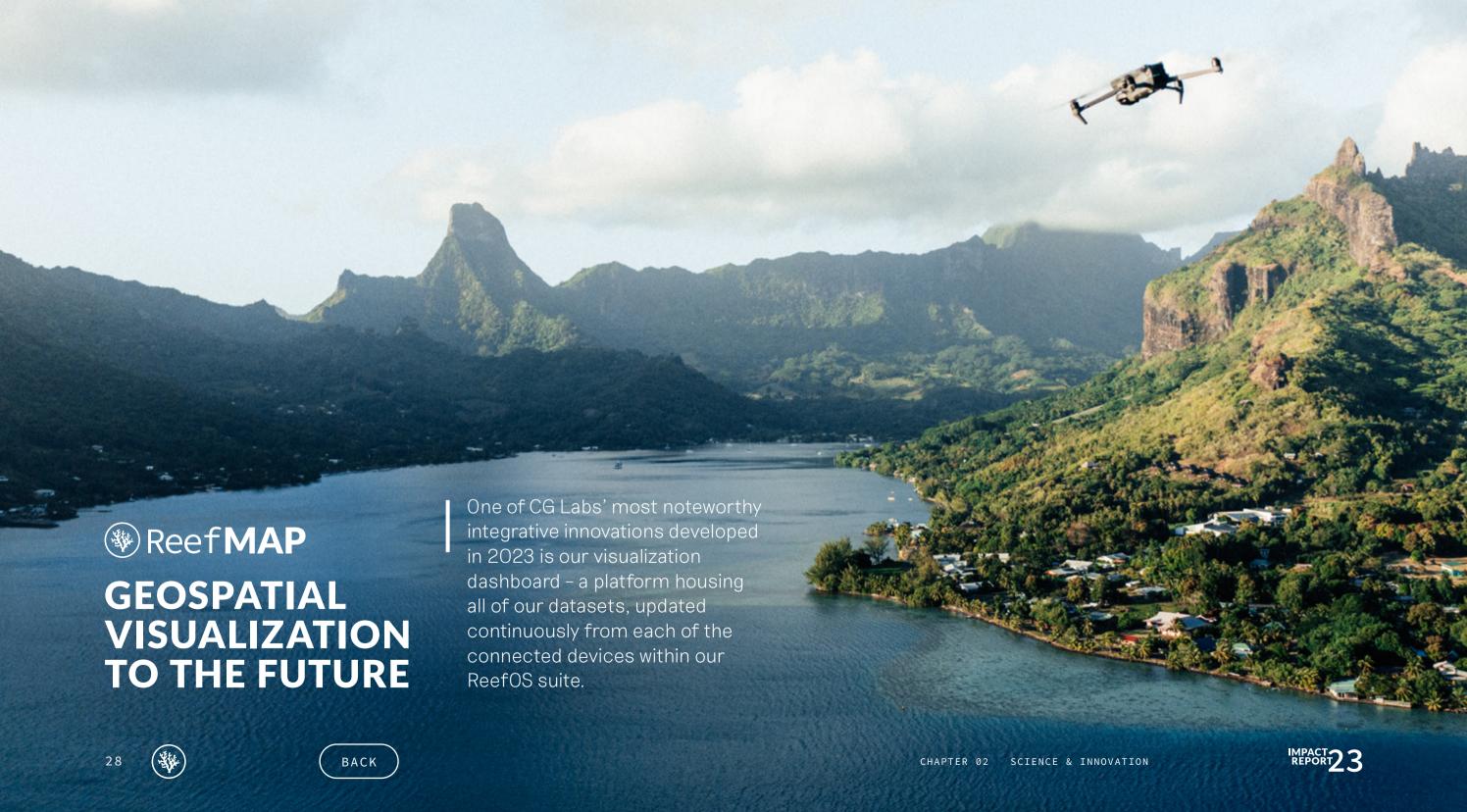
Reef APP ALL-IN-ONE GARDENING TOOL

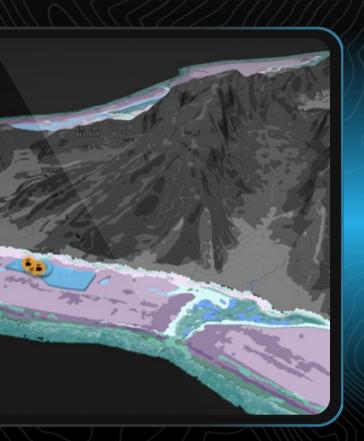
Throughout the year, our team of engineers kept rolling out new features to advance our ReefAPP – a monitoring tool developed to collect, save, and analyze data, all while underwater, digitizing and replacing the traditional underwater slates for full optimization.

This ocean innovation now allows gardeners all around the world to record scientific data on the entire lifecycle of a coral from the moment it's collected in the wild to the nurseries and the outplant sites. Additionally, gardeners can create 3D photogrammetry models of our restoration sites with just the click of a button, capturing a series of pictures with the app. The generated models provide a deeper look into

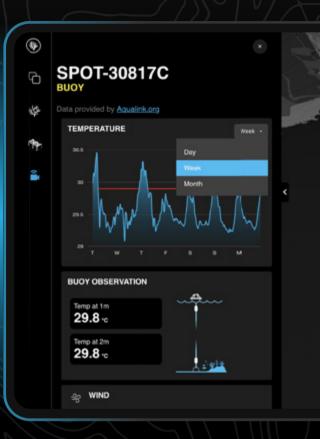












This dashboard emerges as a real gamechanger to guide our gardeners in their daily mission, offering a bird's-eye view of our sites, mapped with high-precision drones, and including all of the critical data on our coral nurseries and outplanted reefs. ReefMAP provides a central hub accessible to the public and the scientific community to monitor coral reefs in real-time with a whole new level of precision, facilitating decision-making to scale up restoration efforts.

EXPLORE REEFMAP

CG LABS VIDEO







PEOPLE REACHED GLOBALLY SINCE 2017

765 K COMMUNITY MEMBERS

PEOPLE EDUCATED LOCALLY SINCE 2017

1,685 KIDS EDUCATED SINCE 2017

We made it one of our main missions to rally people behind our cause with a deeper level of awareness by combining local education with global outreach. This year, we broke boundaries and added more people to our movement than ever before. •







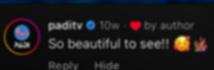
MOVEMENT

FOR THE REEF

A GLOBAL

anne_genot 27w Thank you, that makes me believe in the future... Reply Hide





238 M

people reached in 2023

70

media features

Since day one, we have been rewriting the rules of conservation to reach the masses through artistic imagery, social media savvy, and unconventional collaborations.

In 2023, we kept sharing captivating content with our online community - the largest in the world of coral conservation - including our fan-favorite before/after series, showing that our following is not only engaged with the movement but inspired by our impact.

To amplify our message, we collaborated with various celebrities and ambassadors like French astronaut Thomas Pesquet to Jason Momoa, aka Aquaman, and our fellow National Geographic Explorers Cristina Mittermeier and Paul Nicklen from SeaLegacy. We also brought various media and storytellers into our repertoire, such as CNN and Captain Sam Potter, reaching and inspiring millions of people around the world through their lens.





coralgardeners and prideofgypsies



@ > Liked by 175.007 others

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xfrankeymaerainbow 9w

These posts honestly make me so happy! I absolutely love to see nature thrive as it should 🍟 🧼 🍇 I think people who set up these organisations are amazing! I'm 100% planning contribute in the future

Reply Hide

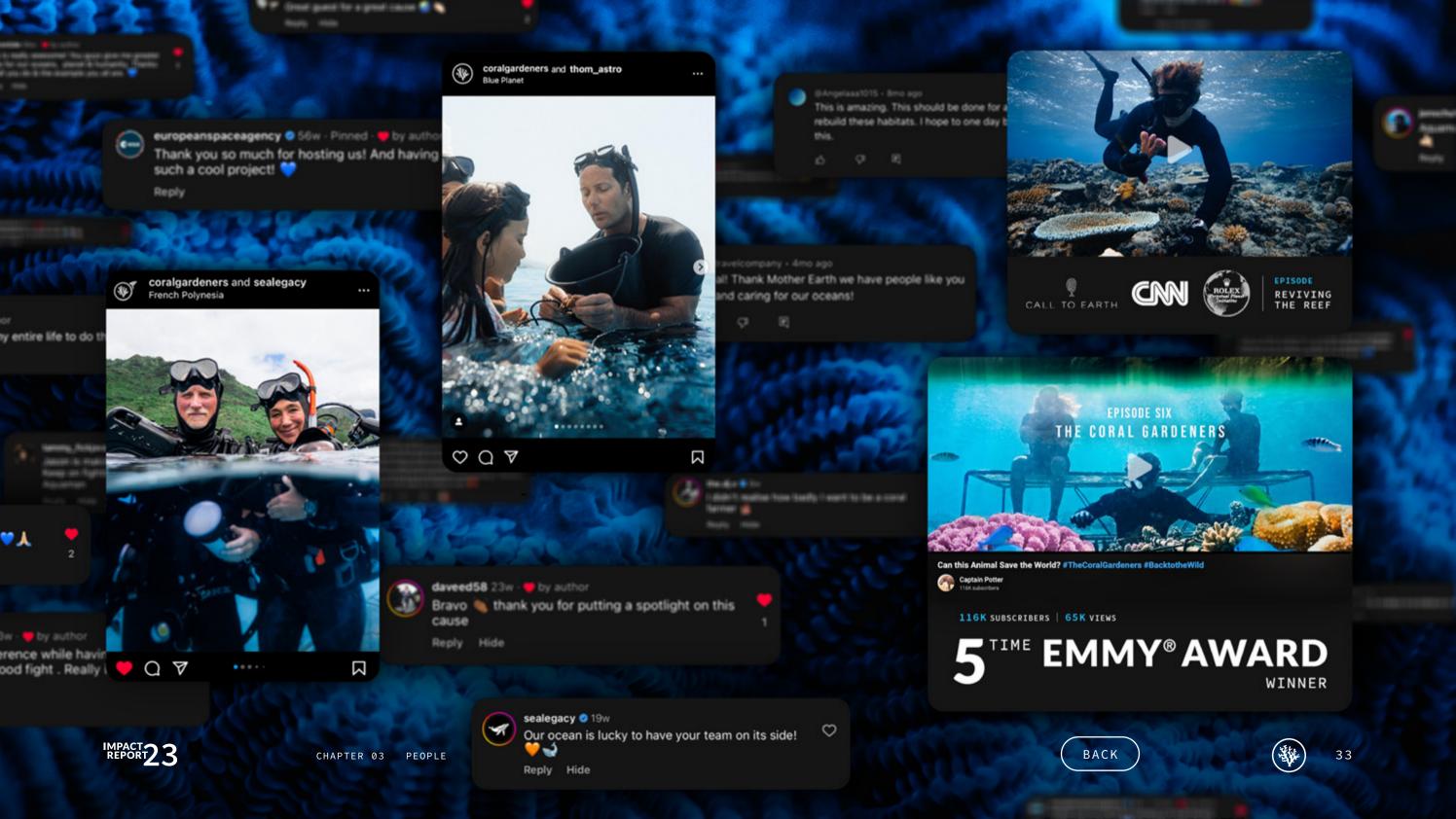


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REPORT 3







In 2023, we entered the Hollywood scene to put the spotlight on coral reefs.

We partnered with Warner Bros. Pictures for the release of the highly anticipated movie, Aquaman & the Lost Kingdom, featuring our ambassador Jason Momoa to raise awareness about coral bleaching and invite everyone to be part of the solution to save the ocean.

As part of our campaign, Aquaman & The Lost Colors, we released an exclusive trailer, produced by our creative partner Orès, which lost its colors as you watched, echoing the sad fate of corals which are threatened by global warming. To view the trailer in full effect, fans had to take action by donating to the real-life superheroes, our coral gardeners, to bring life and color to the ocean. Press and celebrities alike amplified our campaign, which resulted in millions of media impressions to elevate awareness and raise funds to continue our coral conservation efforts.

WATCH THE TRAILER



ON THE BIG STAGE



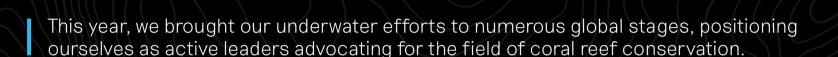
THE EXPLORERS CLUB

The Washington Post



change NOW





For World Oceans Day, our founder Titouan got to speak at the United Nations in New York, alongside renowned conservationists, and activists such as our ambassadors, Sylvia Earle and Jason Momoa. The efforts kept on going during the full ocean week with various events at the Explorers Club, where Titouan recorded a Washington Post podcast with Alex Honnold in collaboration with Rolex and their Perpetual Planet Initiative.

We also joined the 5th International Marine Protected Areas Congress (IMPAC5) in Vancouver – one of the

largest collaborative conferences for ocean scientists and practitioners to exchange knowledge and best practices. On the other side of the world, we participated at the ChangeNOW summit in Paris, where Titouan had the opportunity to connect with inspiring changemakers and raise awareness to more than 37,000 attendees, the biggest in-person crowd we ever educated at a single event on coral reefs and solutions to preserve them.







LOCAL EDUCATION





As we opened our first international branch in Fiji this year, we paired restoration with education to involve the local communities and stakeholders in making the preservation of their reef a priority.

The Fiji team began straightaway to build their footing as local stewards of their island to do good for both the ocean and its people. In only a few months, they joined conferences and classrooms to share their knowledge on coral reefs with the community and its youth.

Additionally, the team began an ecotourism program with our partner, Six Senses Fiji, to educate the guests and tourists and provide them with opportunities to participate first-hand in coral conservation, leaving the island better than they found it.























39



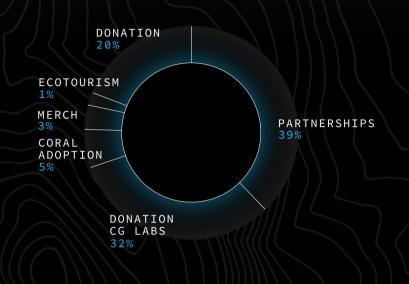
FINANCES

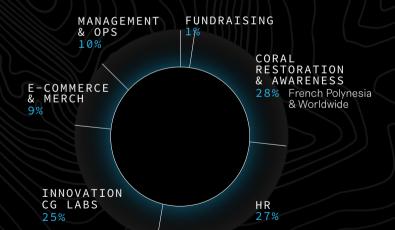
2023 GLOBAL REVENUE

2 541 744 €

2023 GLOBAL EXPENSES

2 391 184 €





In 2023, our total revenue nearly doubled compared to the previous year – funding raised for the reef through multiple revenue streams, and invested into our core missions to further our efforts.

Coral Gardeners' activities are split into 2 legal entities.



1 521 179 € 2023 REVENUE ← 1 478 842 € EXPENSES

ACTIVITIES



Fund core missions (coral reef restoration, awareness & innovation) through fundraising.



1 020 565 € 2023 REVENUE 912 342 € EXPENSES

ACTIVITIES



Sustain the NGO from management and operational expenses through E-commerce, merchandising & partnerships.

Financial results are reinvested into the NGO





























PARTNERSHIPS AS BUSINESS FOR GOOD

To create long-lasting impact, we partner with like-minded brands within and across multiple industries, leveraging business as a force for good to contribute to a bluer economy.

This year, we continued to strengthen our partnerships and integrate more partners into our lineup, allowing them to play their part in giving back to the ocean while revolutionizing their own industry standards. Beyond providing financial support to our mission, our partners enable us to engage

new audiences, bringing awareness to millions of new people through the ripple effect of our collaborations.

To each of our partners, thank you for partaking in our mission toward a restored ocean.



COMMUNITY OF CHANGEMAKERS

27,558

SUPPORTERS SINCE 2017

4,539

NEW SUPPORTERS IN 2023

To contribute to a bluer economy, we are connecting individuals to tangible solutions by providing them with ways to create their own impact.

In 2023, an additional 4,000+ people joined our global community of supporters and wielded their power of choice to do good through various ocean-conscious purchases. Whether you adopted corals, selected a piece from our CG Essentials clothing line, or purchased from our partners' sustainable collab-collections, thank you for your support.

We would also like to extend a special thank you to our network of philanthropists and donors who decided to give back to the ocean and its conservation.

While contributing to changing the business landscape, we are simultaneously building a community of advocates who give a damn about coral reefs and represent our movement worldwide.

ADOPT

DONATE

SHOP MERCH

BOOK ECOTOUR

OUR TEAM

53

FULL-TIME TEAM MEMBERS

15

NEW LOCAL GARDENERS TRAINED IN 2023

60% WOMEN IN MANAGERIAL

POSITIONS Our multidisciplinary and diverse team is now made up of underdogs, to Southeast Asia, creating PhDs, scientists, engineers,

One of our major highlights this year was training and onboarding 15 new local gardeners in different

creators and gardeners, working in

and out of the water from all over

the map to save the reef.

regions of the world, from Polynesia opportunities for people to make a living out of caring for the places they call home.

This year our crew evolved

alongside the project, growing from thirty members to over fifty.

Special thanks to our incredible network of allies, agencies and mentors for sharing their expertise and contributing to our mission. •



















OCEAN AGENDA

Throughout 2023, we pushed the international agenda in coordination with the United Nations' Sustainable Development Goals to preserve our blue planet, beyond the restoration of our home reef to the global ocean.

It all began in Fiji, where we built a new project from scratch according to this new model, creating blue jobs to establish coral gardening as a new career path whilst future-proofing the environment for those who depend on it. And this is just the beginning, as there are countless other individuals and projects around the world waiting to be tapped into the movement.

One specific region caught our attention in Southeast Asia, where two islands' communities of fishers

spanning generations witnessed the rapid degradation of their local reefs in Thailand. In 2023, we set sail to a completely new region to investigate and collaborate with these Thai communities to protect their reefs and livelihoods with a spin. We have been working hard behind the scenes, and we cannot wait to share the story of how we are working together to change the world, one island, and one coral at a time.



















PRODUCED BY Salomé Chauvelot Catherine Plourde Léo Thomas



