

2023

Annual Report



Coralive



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Message from Matthew Walker



Matthew Walker
Senior Project Manager

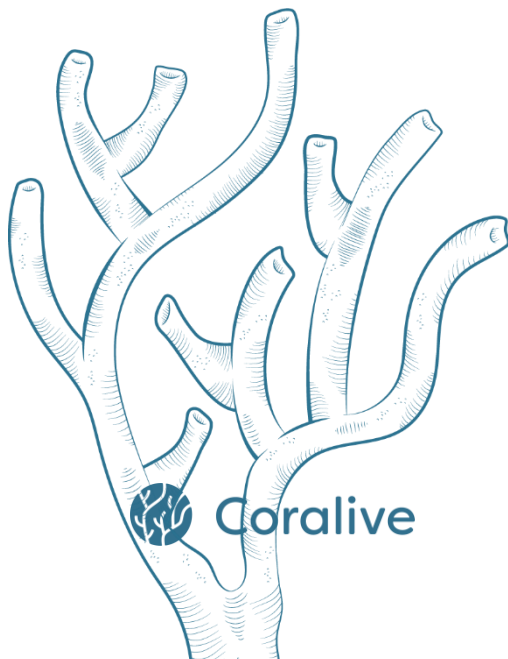
Dear Friends of the Ocean,

Welcome to the 2023 annual report for Coralive. As always, we've been busy setting up and maintaining projects all over the world. We are continuing to constantly adapt and evolve as an NGO, keeping ocean conservation and restoration at the heart of what we do.

A brief 2023 summary wouldn't be fitting without mentioning our flagship project first. We started the Soneva project in 2021, and its progress has been so encouraging. Although hurdles stood in our way, so much great work has been done at Soneva Fushi, in the Maldives. Most notably, we've expanded the current breakwater systems to around 30 cages this year – that's approximately 750 metres of coastal defense around Soneva. These cages were all electrified in 2023 and mostly populated by small fragments. But the old adage stands true: "nature does it best" – as to our surprise, the natural recruitment on these cages have exceeded our outplanting rates. These artificial barriers are very quickly becoming living reef defenses. Amazing!

We've also expanded not just individual components of the Soneva project, but the locations themselves. In late 2023, Coralive and the Soneva Foundation developed two new coral nurseries at the other Maldivian properties: Soneva Jani; and the latest island, Soneva Secret. These nurseries have been electrified using our classical Mineral Accretion Technology (MAT) approach and are thriving in the shallow waters near both resorts.

Our work in the Maldives also included reigniting the project at Oaga Art Resort, in North Male Atoll. The site has been active for nearly half a decade, but required significant maintenance and re-purposing. Zoe Tapps, together with Oaga's new marine biologist, Rio, began the important work to do this, which Rio is continuing into 2024. Most of the work involved outplanting huge portions of the original nursery, which was somewhat overgrown (a good problem in many ways), as well as replacing deceased sections of the restoration site. This revitalized effort is expected to significantly boost the recovery of the coral reef at Oaga, ensuring a thriving marine ecosystem for the future.



As Coralive has been so engaged in the Maldives in the last decade, we made the big step to set up base there, initiating 'Coralive Maldives' this year. This Maldivian based branch of Coralive will afford us the ability to be more involved in local decision-making processes, and stream-line the overall legal aspects of implementing projects in the country. Since the establishment of 'Coralive Maldives', we've joined forces with other Maldivian stake-holders, who together formed the Maldivian Ocean Alliance in December 2023 – a group dedicated to see Maldivian marine environments protected and restored.

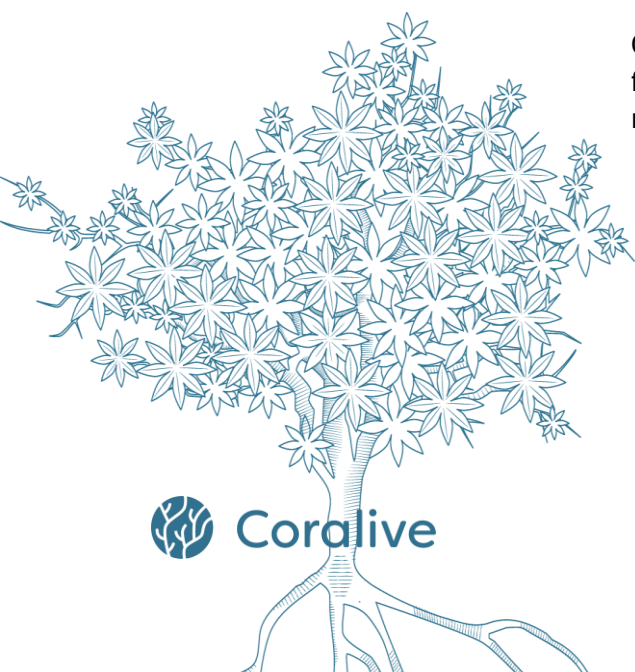
Our year also took us to new territory, to the 'last paradise' of Raja Ampat, Indonesia. This stunning corner of the globe was where, this year, Coralive partnered with 'The Sea People', who use steel mesh on rubble slopes to restore large amounts of degraded areas around Kri and Manswar. Coralive applied their specialised MAT technique to these steel meshes in order to improve coral attachment and potentially coral growth rates. We await to see the effectiveness of this technique in a site visit planned early next year.

We also stopped by at our Seychelles project, Fregate Island. Aki, our founder, caught up with the latest developments of the coral nursery there, whilst Chris and Dan, our film-maker friends shot a new video. On the topic of media, Sabrina's film was aired on Switzerland national television, with the story of Aki and Coralive reaching thousands of the general public and sparking interest in coral restoration. Chris, Dan and Sabrina's footage is continuing to reach hundreds of people from all around the world.

Wrapping up, we want to say a big thank you to all of our partners and sponsors this year, who have, by their gracious support, helped establish and maintain Coralive's conservation initiatives. We couldn't do it without you!

I'll close by saying that this has been a fundamental year for Coralive. We're excited to see how all of the work we have been putting in progresses into 2024, which is forecasted to be an interesting year for coral indeed.

On behalf of Team Coralive, we extend warm wishes to our friends for the upcoming year in 2024. Thank you for being part of this great mission.



Mission and Motivation

A thriving and diverse coral reef is the foundation of a healthy ocean.

Through active and passive coral restoration efforts we help re-establish vital reef ecosystems on which twenty-five percent of all marine life depends.

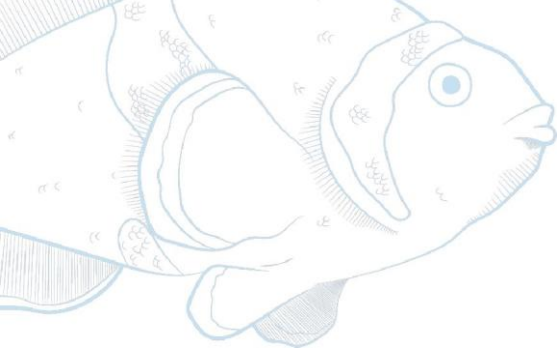
Our specialized approach to coral reef restoration involves creating metal rebar structures supported by Mineral Accretion Technology (MAT).

Beyond MAT, we employ various other coral restoration methods, including ex-situ spawning, micro-fragmentation, and more traditional in-situ coral propagation techniques.

Other systems support coral reefs, such as mangroves and seagrasses, and so we protect and restore these habitats when applicable.

By integrating these diverse and tailored strategies, we hope to secure the long-term health and resilience of coral reefs around the world.





Fields of activity



Environmental Restoration

Coralive provides global best practices to catalyze the healing process and increase the ecosystem resiliency of shorelines against future disturbance.

- Coral Reef Restoration
- Large scale coral relocations
- Mangrove nurseries & reforestation
- Seagrass transplanting
- Living breakwater installations



Marine Protected Areas

Coralive brings local stakeholders together to design, establish, and manage these vital refuges in nature.

- Creation & Implementation of MPA Management Plans
- Installation of Cutting-Edge Technical Support Systems
- Surveillance & Enforcement Training



Environmental Data Collection

Coralive uses the latest available technology to perform underwater mapping, aerial surveying and multi-parameter water quality analysis.

- Bathymetry & Photogrammetry scans
- Environmental Impact Assessment (EIAs)
- Monitoring of ecological key elements
- Livestream Underwater Cameras with AI



Livelihood Solutions

Coralive has expertise in planning and implementing such projects to ensure all voices are heard and all needs are met.

- Waste Management incl. Waste2Wealth initiatives
- Seaweed Farming and low-impact Aquaculture

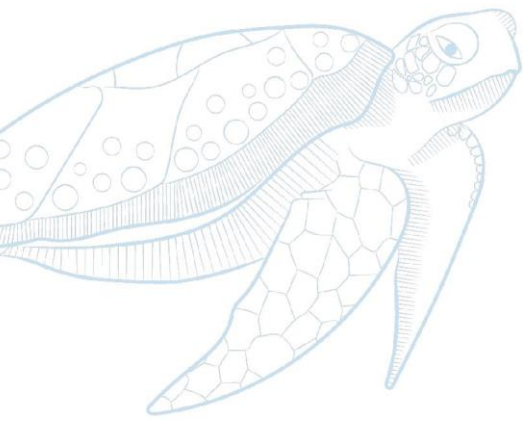


Environmental Education

Coralive's final and perhaps most significant area of focus is the proper transfer of knowledge and experience to local residents in project areas and to the next generation.

- Plastic Pollution Awareness Campaigns
- Coral Reef, Mangrove Forest & Seagrass Education
- Cleanup Events
- Media creation





New and Active Projects

Project Maldives – Soneva

Initiated October 2021

Our work with Soneva started at their most prestigious island, [Soneva Fushi](#) (SFR), in partnership with the [Soneva Foundation](#). Coralive implemented one of the largest MAT coral nurseries in the world on SFR's house-reef in 2021, and have since developed coastal defenses, extended nurseries, and conducted major coral relocations from at-risk development sites in the region. Our goal with the nursery is to produce thousands of coral fragments annually that can be used to regenerate the reef to pre-bleaching levels, through increases in coral health, and through reintroduction of rare coral species to boost diversity. In 2023, we built smaller nurseries at each of Soneva's other Maldivian resorts, Soneva Secret (SSR) and Soneva Jani (SJR). SSR's nursery consists of 48 steel structures, whilst SJR's is made up of 3 concentric ring layers totaling 60 steel pods.

Also, have a look here: [Soneva Foundation Coral Project Movie](#)



Project Seychelles – Fregate Island

Initiated May 2018

In cooperation with [Fregate Island Sanctuary](#) and the support of [Blancpain Ocean Commitment](#), phase two of our project came to an end. Julie Pezin collected valuable data sets that will help determine success rates of the Mineral Accretion Technology having the aim of increasing and improving scalability, efficient logistics and sustainable energy usage. The next step will be using the gained knowledge and expanding the coral nursery into a factory like production line and to produce as many coral covered nursery tables as possible for rapid out-planting.

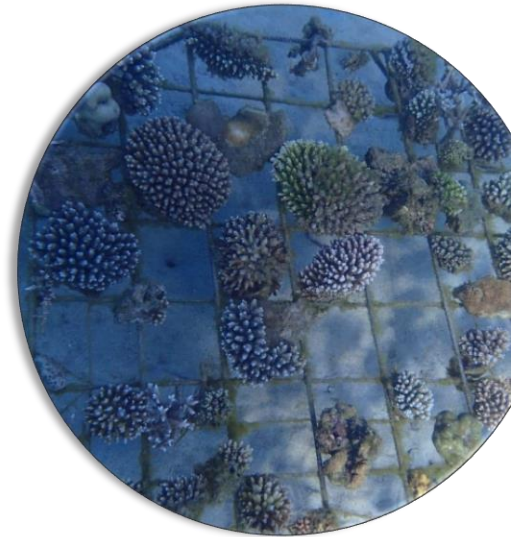
Have a look here: [Scaling up coral restoration around Fregate Island](#)

Project Madagascar – Ifaty

Initiated May 2022

Located in the southwest of Madagascar, Ifaty in the Bay of Ranobe, is home of our partner organization [Reefdoctor.org](https://reefdoctor.org). After several years of collaboration and many delays due to the country shut-down because of COVID, we finally managed to install a Coral Nursery powered by a floating solar & security platform close to the “Rose Garden” reef system. This project was funded by our partners [V.SUN](https://www.v.sun).

The goal here is to create a base stock of 2000 diverse corals from the area for continuous out-planting in the nearby protected area.



Project Maldives – Oaga Resort

Initiated May 2018

Our longest-running coral restoration project, located at Oaga Art Resort, has seen remarkable progress over the years. Initially, we employed around 60 MAT tables and 200 MAT pods as nurseries and artificial reef structures respectively. Despite the challenging and degraded surroundings, the corals flourished and have been continually outplanted to the house reef. From March until October 2023, the project was unstaffed, which halted maintenance and progress. However, in October, our senior project manager, Zoe, spent three months restarting the initiative and in collaboration with the resort, we have now hired Rio to take over as the on-site marine biologist. This renewed effort includes the continual restoration of the house reef, guest education initiatives, promoting resort sustainability, and training volunteers in coral restoration techniques – in order to further enhance the recovery of the coral reef at Oaga, and ensuring a thriving marine ecosystem for years to come.



Project Indonesia – Kri

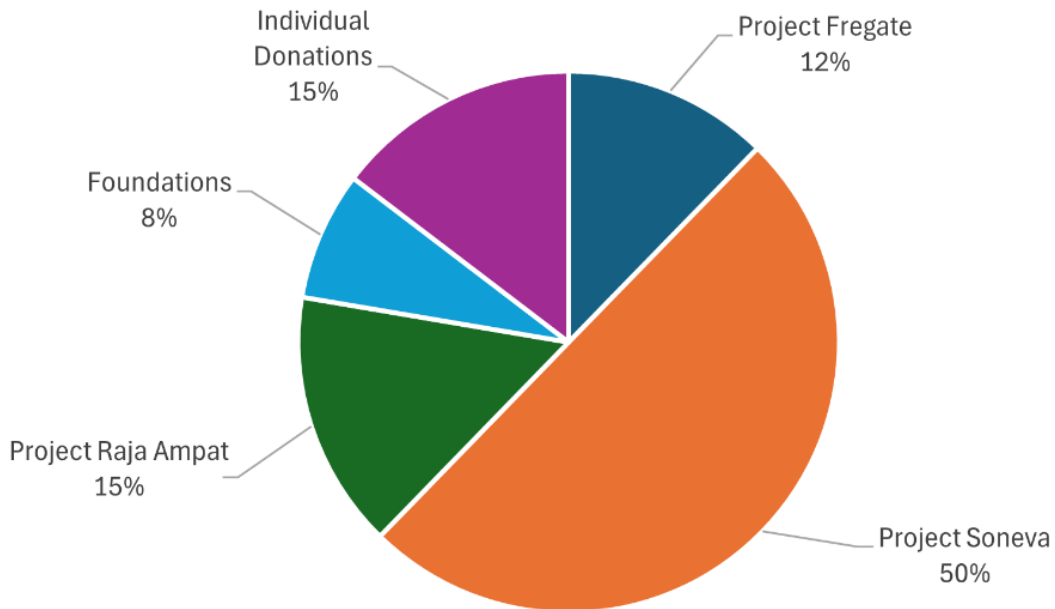
Initiated April 2023

In April this year, Aki (our founder and CEO) met up with ‘The Sea People’ of Raja Ampat, Indonesia. The Sea People do a large range of different things, but perhaps most impressive is their large-scale coral reef restoration methods, which primarily use large sheets of steel mesh, laid across rubble slopes, and secured into the seabed. These meshes stabilize rubble and sediment caused by underwater land-slides, and give corals the substrate they need to grow onto these otherwise barren sections of reef. Coralive’s input was to electrify a portion of this restoration site, plugging the steel sheets into mineral accretion technology, in order to gain better coral attachment and hopefully, better accretion rates on that section of the reef.

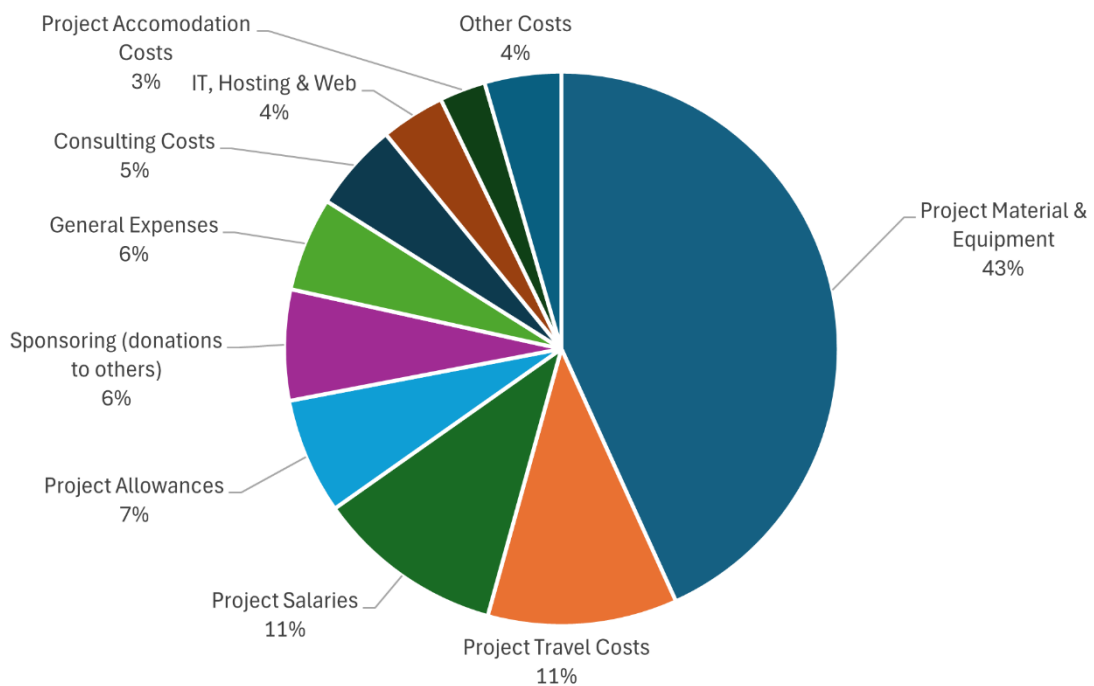


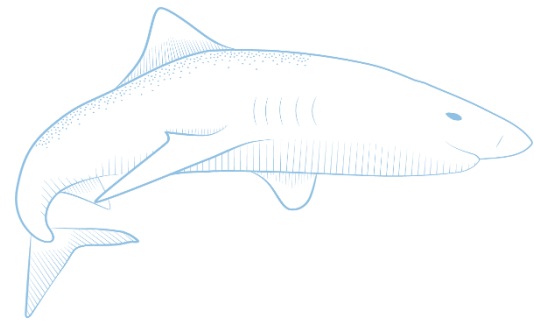
Financials

Income 2023



Expenses 2023





Looking forward to 2024

As we move into the next calendar year, our goal is to balance maintaining our long-standing projects with expanding into new fields and horizons. Our ongoing projects in the Maldives and the Seychelles, which have been operational for a long time and hold significant value for us, will continue to be a priority. At the same time, we aim to broaden our collaborations and scale our operations to new areas and with new techniques.

We aim to do this with upcoming project leads, such as in Palau with the Asian Development Bank (ADB). This project is in the pipe-line to begin in the second half of 2024, and would bring our techniques and experiences to new heights (or depths), as well as our professional reach.

We also will begin a huge project in the middle-east next year, joining forces with new partners and kicking off one of the largest coral relocation and coral farming productions in that region.

Whilst moving into large-scale projects, with team expansions and funding increases attached, we also will distribute efforts to the places that need it most, aiming to implement a grass-roots project in Batanta, Indonesia with a local home-stay owner, Konstantin, early in April.

Extensions to our existing Seychelles and Maldives sites will continue, with visits planned for May and October, respectively.

We are also looking to diversify our activity to the Mediterranean Sea.

It certainly looks exciting and busy for us as we look forward. But we're here for the challenge. Stay informed with our social media and website updates as we venture on to preserve reefs and their associated environments globally.

Coralive couldn't do this without their help! We deeply appreciate all donations from individuals, charities and project partners to support our work helping to nurture and restore this marine environment to its full potential. Please keep in mind that all financial donations made by Swiss Citizens, Associations and Companies will receive a confirmation for tax deduction purposes.

US Financial Donations greater than 50'000 US\$ will receive a confirmation for tax deduction purposes through our association with the Tides Foundation, a registered 501(c)(3) nonprofit.

Coralive compensates all flights through CO₂ certificates managed by myclimate.org.



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