

Project Madagascar – Ifaty

coral nursery to harvest 1'200 coral fragments per year



Ifaty - 23°08'31.6"S 43°34'25.5"E

Base Info

Project type: Coral nursery & coral outplanting

Partner: [Reefdoctor.org](https://reefdoctor.org)

Funding: www.v-sun.de



Budget
20'000 USD



Size / area
500m2



Start Date
May 2022



Duration
24 months

Background

The pandemic has shown that communities living in Ifaty, southwest of Madagascar, need to find a way to build sustainability and resilience into the biodiversity conservation management framework, reducing the reliance on unstable external influences. The aftershocks of the global shutdown highlighted the weaknesses in current environmental management plans. Moving forward, projects need to engage more with communities and provide community-centric conservation strategies that address the core issues of habitat degradation.

Objective & Outcomes

- To build a 1'200 coral fragment nursery
- To outplant 1'200 coral fragments every year
- To create a base stock of diverse species of corals
- To increase the fish population
- To increase diversity of corals around « Rose Garden »
- To rescue coral colonies from nearby development projects
- To create a community-centric project

Implementation

Approach

Coral restoration will be initiated by creating 12 steel metal reef structures, powered by the mineral accretion technology (MAT). This supports the corals through low voltage direct current electrolysis to grow 1'200+ coral fragments every year. The primary source of coral used to populate the nursery will be corals of opportunity broken off through wave action. They will be placed as colonies directly on the tables and/or fragmented to an average size of 7cm, ideal for attaching to the table structures. Knowledge transfer to the local stakeholders for maintenance will be key.

Milestones

Month 1:

- Installation of 12 nursery tables
- Installation of MAT equipment
- Securing cables and structures
- Coral placement on the nursery
- Knowledge transfer and training

Months 12 and onwards:

- Harvest and outplanting of corals

Deliverables

- Fully populated coral nursery
- Trained local stakeholders
- Educational program

