



seed **madagascar**

sustainable environment, education & development

**WASH, Schools, & Solar**



# ONG SEED Madagascar

**Admin & Finance  
& HR department**

**Community Health  
department**

**Environment &  
Livelihoods  
department**

**Construction  
department**

**Sekoly  
programme &  
WASH department**

# Sekoly programme



**Vision:** Every child in the Anosy region accesses education in a safe environment, conducive to learning.

**Mission:** The Sekoly programme is committed to improving access to quality education for all school-age children in the Anosy region through infrastructural development, supporting teachers, providing healthy living education for students, and facilitating parent and community engagement in achieving this.

## OBJECTIVES

- ❖ Targeted schools have improved infrastructure that supports an enhanced learning environment.
- ❖ Teachers at targeted schools are motivated and deliver consistent and valuable education.
- ❖ Students in targeted schools have an improved understanding of, and actively practice, healthy living.
- ❖ Targeted communities value education and are motivated to reduce the numbers of children dropping out of school.
- ❖ Enhanced educational service provision and outcomes through improved relationships and partnerships.



# CONTEXT



- Nationally, only 60% of children complete primary education, in Anosy this is closer to 25%
- In rural Anosy, 62% of nine- to 12-year-olds have never attended school
- Only 20% of Malagasy teachers are civil servants, and 97% do not have a professional teaching diploma
- Madagascar is ranked third lowest in the world for WASH indicators
- 72% of rural schools countrywide have no water service
- 97% of the Anosy population does not have access to basic sanitation
- Less than 11% of the rural population has electricity access

# HISTORY



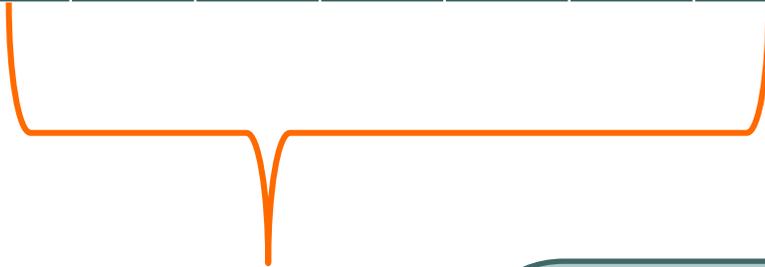
EPP Hovatraha  
EPP Emagnevy  
EPP Tsiharoa Ambodro  
EPP Tsihalagna  
EPP Andramanaka  
EPP Belavenoka  
EPP Farafara  
EPP Beandry  
EPP Agnenga  
EPP Volobe Sud  
EPP Ebakika  
EPP Mahialambo  
CEG Mahialambo  
CEG Lanirano  
CEG Mahatalaky  
CEG Lanirano II  
CEG Soanierana  
EPP Mahatalaky  
Lycée Manambaro I  
Lycée Manambaro II  
EPP Manambaro  
EPP Lanirano  
EPP Andramanaka  
Lycée Ranomafana  
EPP Mananara II  
EPP Tsagnoriha  
EPP Vatambe  
CEG Mahatalaky  
EPP Emagnevy  
CEG Mandiso  
EPP Esohihy  
EPP Manafiafy  
EPP & CEG Sarisambo  
EPP Beraketa  
EPP Esinda  
EPP Beandry  
Lycée Mahatalaky  
EPP Antahovary  
EPP Amboavola  
EPP Kariny

2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025



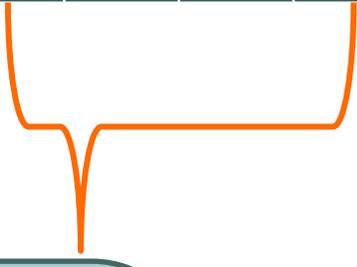
**Community Health & WASH Programme**

During this period, the Schools programme was in its early phase & incorporated into WASH & CH. This period involved the construction of wooden structures for education infrastructure provision.



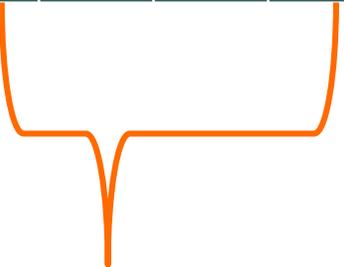
**Sekoly Programme**

2011 marked the decision to begin constructing buildings out of concrete instead of wood due to the material's enhanced durability.



**Improved Project Design**

Since 2018, the Sekoly Programme has rolled out an all-inclusive package for school builds, including teacher accommodation, MHM facilities, and a 10,000L rainwater harvesting system for all school construction projects.



**Climate Response & Solar in Schools**

In 2022 an improved cyclone-resistant structure was introduced. 2023 was the launch of the successful Solar Pilot, which is now currently in Phase IV.



## 40 SCHOOLS

**40** school buildings totaling **92** classrooms constructed, **9** school buildings repaired

**17** MHM facilities constructed, drinking/handwashing stations installed at **20** schools

**13** schools provided with onsite teacher accommodation

**105** latrine cubicles constructed, **18** repaired

water provision at **27** schools

over **11,000** direct beneficiaries

# 2024-25 PROJECTS: SEKOLY



 **EPP Esinda (complete)**

 **EPP Amboavola (complete)**

 **EPP Beandry (complete)**

 **EPP Antahovary (complete)**

 **Lycée Mahatalaky (complete)**

 **EPP Karinoro (in progress)**

## 2024-25 Impact:

**Constructed:** 5 fully furnished school buildings (14 classrooms) with attached teacher accommodation, 22 latrine cubicles, 5 MHM rooms

**Provided:** 5 00,000L Tatirano rainwater harvesting systems with drinking & handwashing stations

**Repaired:** 3 latrine cubicles, 2 school buildings (4 classrooms)

**Established & Trained:** 5 WASH committees

**Conducted:** WASH education with 50+ teachers and 900+ students, MHM education with 90+ students, reusable pad-making with 60+ students

# WASH & MHM EDUCATION



Teachers and parents triggering

Teachers and WASH committees training

WASH education for students

- Handwashing
- Water treatment
- Latrine use
- Latrine maintenance

MHM education for students

- Puberty
- Period
- Period management
- Pad making session



# CHALLENGES



- The surrounding community of schools does not use latrines
- The students' behavior does not change because, upon returning home, they repeat the same reprehensible behaviours. For example: open defecation, drinking untreated water, etc.
- Most of the latrines in the schools we no longer work in are dirty (Schools where we no longer do WASH activities).
- The period for providing education is too short (only during the construction period).
- SEED will no longer provide any follow-up or support once the infrastructure is completed (There is no WASH project capable of providing us with financial support).





## Current/Planned Sites:

- CSB Ambinanibe/Ankilivalo (complete)
- CSB Manambaro (ongoing)
- CSB Volobe (upcoming)

## Objectives:

- Improve rural CSBs' WASH infrastructure
- Improve healthcare workers' working conditions
- Augment rural CSBs' capacity for continuous and quality service delivery using solar energy





## CONSTRUCTION OF EPP Karinoro and EPP Volobe sud

- **School:** 2 buildings, 6 classrooms
- **Sanitation block:** 10 rooms of latrines, 2 rooms if MHM facilities
- **Water provision:** 2 Rainwater harvesting system of 10,000L
- **Handwashing station:** 10
- **WASH and MHM education**
- **TBC: approach star to the school and CLTS approach to the village surrounding the school**





## CSB STRENGTHENING in CSB Manambaro and Volobe

- **Repair of 2 sanitation blocks:** 5 rooms of latrines, in CSB Manambaro
- **Construction of 2 sanitation blocks:** 5 rooms of latrines, 1 room of MHM facility in CSB Volobe Sud
- **Rainwater harvesting system:** 2 tanks of 10,000L for 2 CSB
- **Handwashing station:** 10 for 2 CSB
- **WASH education**

# 2024-25 PROJECTS: FANAKA



*Improving learning environments through the provision of ergonomic two-person desk-benches. The distribution of student seating increases classroom capacity and creates a more comfortable environment that is conducive to learning.*

## **Phase I: Town Schools** (complete)

Constructed and distributed 510 benches across 15 schools in the town of Fort Dauphin, as well as provided repairs to existing broken classroom furniture.

## **Mini-Project** (complete)

Constructed and distributed 100 benches across 2 rural schools in the commune of Manambaro.

## **Phase II: Rural Schools** (complete)

Constructed and distributed 1,307 benches across 17 schools in rural Anosy.



# OUR CURRENT PROJECTS (2024-25)

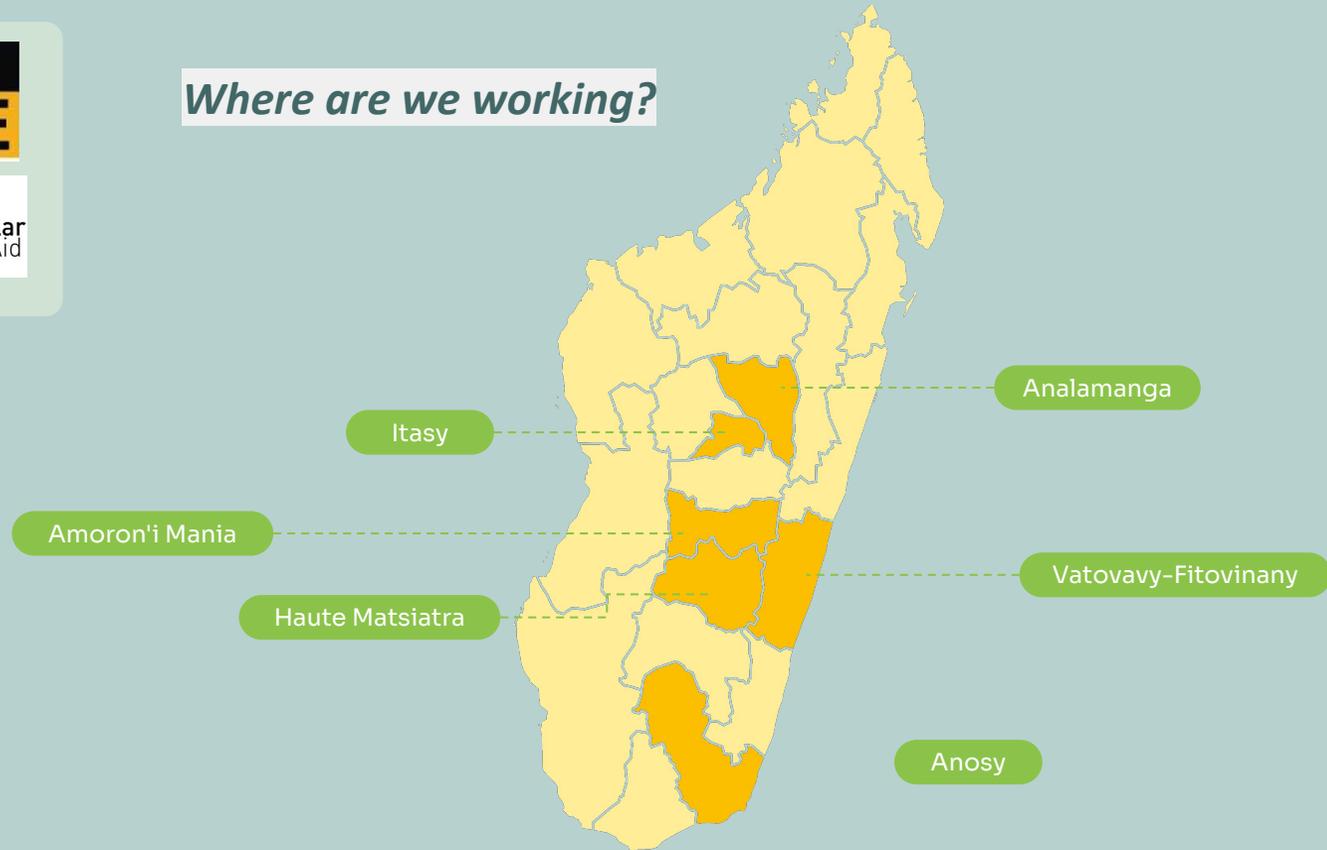


## MASOANDRO PROJECT - SOLAR

**Who are our partners?** Solar United Madagascar (SUM) : cooperation between 3 NGOs across Madagascar (Money for Madagascar, Feedback Madagascar and SEED) and a Social Enterprise (Jiro-Ve).



**Where are we working?**



### AIM : Clean energy for development

A collaboration to provide clean, reliable, and sustainable energy to light up homes, improve education and livelihoods — while protecting health and the climate.

# OUR CURRENT PROJECTS (2024-25)



## MASOANDRO PROJECT - SOLAR

### First aspect: LIGHT LIBRARIES

#### *What is our model?*

#### Light Library Market-Based Rental System:

- **Model:** Com. members rent power banks and receive a lamp
- **Affordable Access:** A small rental fee is charged for each recharge, priced lower than the cost of kerosene, providing a safer, cost-effective lighting solution.
- **Income** generated in the 'Light Library' supports:
  - Franchisee Salary: The Light Library is managed by a local franchisee, providing job opportunities within the community;
  - System Care and Maintenance: Funds are allocated to keep the equipment in good working order;
  - School Contribution: A portion of revenue supports local school needs, further benefiting the community.

**AIM** : Provide first-time access to affordable and clean light sources to the community and improve learning environment for students in SEED schools.



# OUR CURRENT PROJECTS (2024-25)



## MASOANDRO PROJECT - *SOLAR*

*Project started in April 2023.*

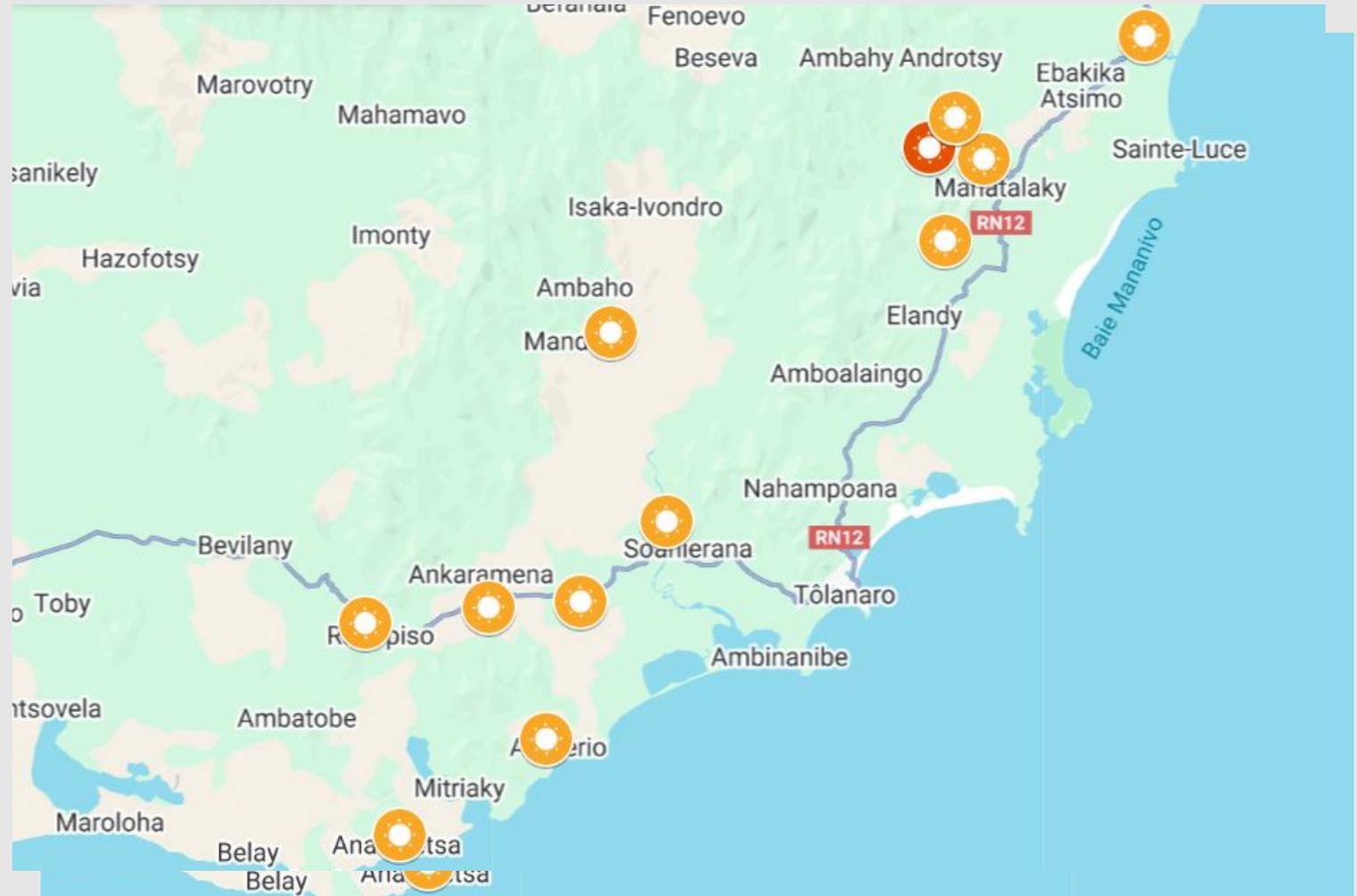
Currently 11 light libraries

### North of Fort-Dauphin

- Esohihy
- Emagnevy
- Tsagnoriha
- Vatambe

### South of Fort-Dauphin :

- Mandiso
- Esalo
- Manambaro
- Sarisambo
- Beraketa
- Ankaramena
- Analapatsy





## MASOANDRO PROJECT - *SOLAR*

### Second aspect: **DIGITAL LEARNING**

#### *What does digital learning involve?*

- **Tablets for Teachers** – Tools for self-learning and ongoing professional development.
- **A Local Intranet Within the School – No Internet Required** – The Raspberry Pi serves as a digital hub for educational resources.
- **Content Aligned with National Goals and Official Curriculum** – The programme is developed in collaboration with Malagasy education authorities.
- **Flexible Access to Resources** – Teachers can download content to their tablets at any time.
- **Additional Equipment** – A speaker and projector to incorporate audio and visual teaching materials into the classroom.



# OUR CURRENT PROJECTS (2024-25)



## MASOANDRO PROJECT - *SOLAR*

### AIM :

- Enhance lesson preparation through access to digital tools and resources.
- Improve classroom teaching with engaging, curriculum-aligned educational materials.
- Strengthen professional practices by supporting teachers with professional development content.
- Boost teacher confidence and student learning outcomes through increased motivation and access to extra-curricular resources.

### *What are we doing?*

- **Training for Education Authorities:** DL training for regional and local Ministry of Education representatives (DREN & CISCO) to enable them to support and collaborate with SEED on the project.
- **Provision of Digital Equipment:** 1 tablet per teacher, 1 speaker and 1 projector per school
- **Teacher Training:** to help teachers to use and integrate digital tools into their teaching practices.
- **Ongoing Support and Monitoring:** Daily support to help teachers use the digital tools effectively and identify their needs.



Pilot site : **EPP Emagnevy** (since April 2025)

New sites : **EPPs Beretaka and Esohiy** (since Oct 2025)



# Digital learning in pictures





**THANK YOU**

