



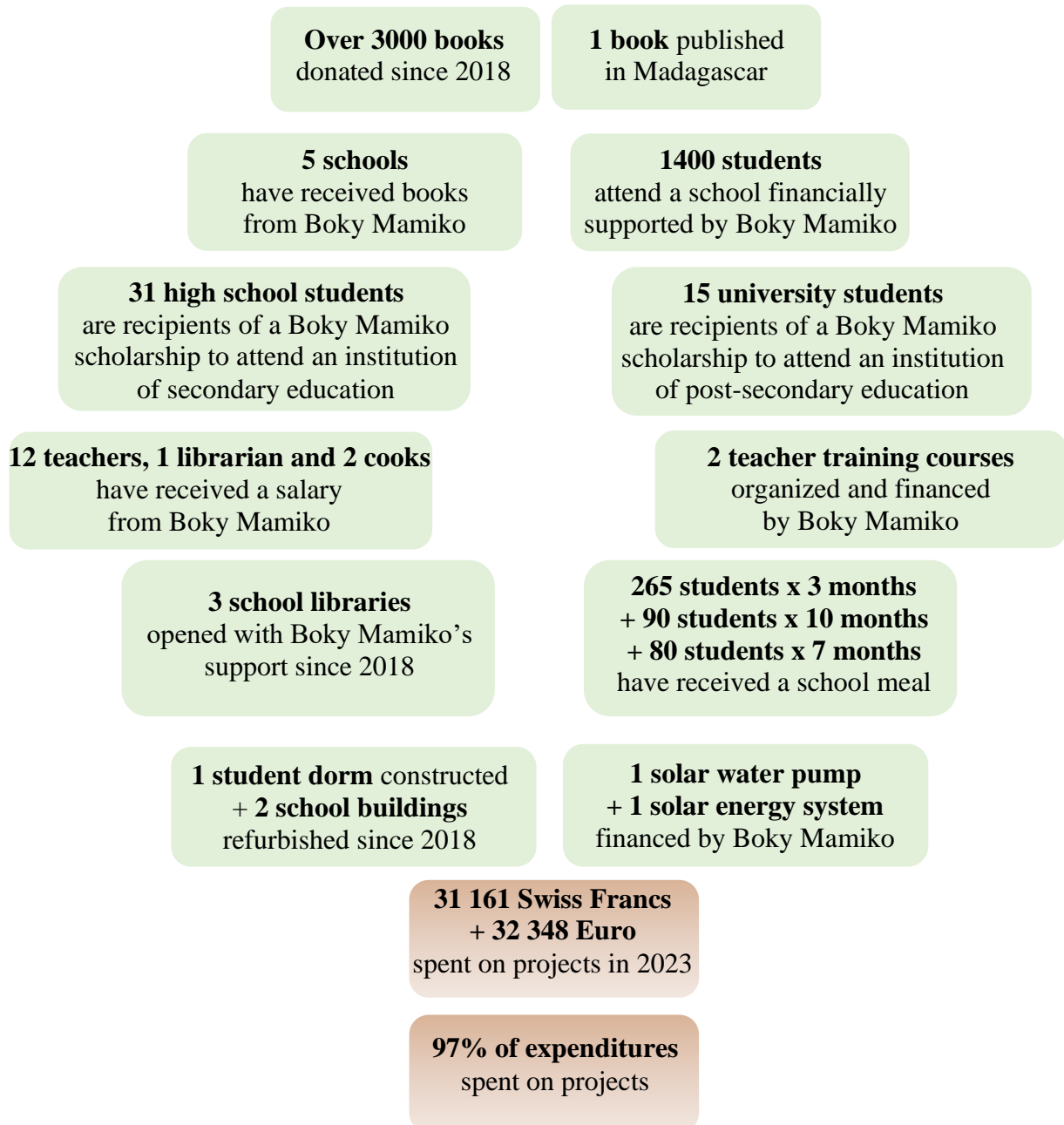
SUPPORTING CHILDREN'S LEARNING IN MADAGASCAR

Annual Report and Financial Statements 2023





**AT A GLANCE
2023**



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PRESIDENT'S FOREWARD

Located off the east coast of Africa, Madagascar is the world's fifth largest island. Its natural beauty and unparalleled biodiversity are world-renowned. Yet, it is the tenth poorest country in the world. Home to around 30 million people, 80% of them continue to live in extreme poverty (World Bank, 2023).

In order for my students at Franklin University Switzerland – where I teach a course on Poverty and Sustainable Education in Madagascar – to understand what living in extreme poverty means, I asked them to perform a role-playing game. The students had to assume the role of parents in a Madagascan family with four children.¹ As parents, they had to decide how to allocate the family's monthly income of 360 000 Ariary (around 80 Swiss francs) among food, schooling, transports, healthcare, and durables. Note that 360 000 Ariary would be the monthly income of a family earning 1.5 times the agricultural minimum wage (240 000 Ar), which is actually a quite rare and favourable situation for rural households. Students were given a list of prices, derived from Boky Mamiko's expenditures and my direct observations in the region. It immediately became very clear to my students that, as parents, they had to choose how many children to send to school and up to which grade, and that if they gave preference to schooling, they had to give up on a nutritious diet (eating mainly rice and very little proteins and vitamins), postpone the saving allocations needed to buy a mobile phone or a bicycle, and keeping their fingers crossed that nobody in the family needed medical care.

This is why Boky Mamiko offers high school and university scholarships to underprivileged young people resident in rural areas of North West Madagascar. Having realized how this support is important for families and young people in Madagascar, we have gradually increased the number of scholarships offered. As of today, Boky Mamiko supports 31 high school students and 15 university students with a full scholarship (including schooling, accommodation, food, transportation, and medical expenditures). All our bursary students come from low-income families in rural villages, and are selected based on their school grades and motivation. We are proud to say that most of them perform at the top of their class, showing that their talent and motivation would be wasted if they weren't given the chance to stay in education. In addition, staying in education helps girls reduce the odds of early pregnancies and early marriages, which are still very common in this region. As a matter of fact, in Diana region (where Boky Mamiko is mostly active) 38% of girls aged 20-24 give birth before the age of 18. In Sofia region, where many of our bursary students come from, this percentage is as high as 54% (UNICEF, 2018).

Obviously, going to school is not enough to learn. In a country where only 6% of children achieve at least a minimum proficiency level in reading at the end of primary school (UNESCO, 2019), it is clear that children's opportunities to learn in school are very limited in Madagascar. This is why Boky Mamiko's main goal is to support children's learning by improving the quality of education in rural schools. In 2023, we pursued this goal by providing five schools with a total of 1350 books (p. 10), organizing two teacher training workshops (p.18), funding an intensive English language course for students (p. 12), underwriting two school trips (p.12) and holding three student workshops on debating, conducting scientific field research, and newspaper article writing (Appendix D), as well as paying for the salaries of

¹ Currently, the average fertility rate in Madagascar is 3.85 (World Bank, 2023). However, although the average family is composed by two parents and four children, monoparental families and families with more than four children are very common, especially in rural areas.

twelve teachers and one librarian (p. 20). We also financed two school canteens and paid the salary of two cooks (p. 22).

The highlight of 2023 was definitely the fact that the seven students who received the first wave of Boky Mamiko's high school scholarships back in 2020 passed their high school final exam in July 2023 with a 100% success rate (p. 12). We couldn't be prouder of them! Moreover, they all decided to continue their education and are now attending various university programs with a Boky Mamiko scholarship. The total number of bursary students who are in post-secondary education is now fifteen (p. 15-16). Our next goal is to support our bursary students in the transition from school to work, which we plan to do by providing them with internship opportunities with local and foreign companies in the region.

At this point, I would like to say that all of this has been possible thanks to the generosity of Boky Mamiko's supporters. If you are one of them, please be sure that whatever contribution you gave, it made a big difference in the future of girls and boys whose motivation to study and to succeed in life is constrained purely due to unjust monetary constraints. On their behalf, I would like to thank you from the bottom of my heart. Their success will be our success.

Rossana Galli, Co-founder and President



INTRODUCTION

Boky Mamiko is a Swiss association founded in 2018 and officially recognized in 2019 by the Canton Zurich as a non-profit organization. An Italian sister association—Boky Mamiko Italia—was founded in November 2021 and officially recognized by the Italian authorities as a non-profit organization in March 2022. “Boky Mamiko” means “Books, my love!” in Malagasy. Boky Mamiko’s main goal is to increase the **quality of education** in rural Madagascar, through **books, teachers’ salaries and training, scholarships for students attending secondary and post-secondary education institutions**, as well as through **environmental education**, health-oriented actions such as **nutrition**, and any other social project supporting education more generally. Originally founded by a group of researchers and students of the University of Zurich, the association also promotes development-oriented academic research in Madagascar.

Boky Mamiko’s mission aligns with the United Nations’ **Sustainable Development Goals** (SDGs) for 2030, in particular with SGD 4, which call for “*ensur[ing] inclusive and equitable quality education and promot[ing] lifelong learning opportunities for all.*” More specifically, the UN has defined its first target for SDG 4 as the ability “*to ensure by 2030 that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes.*” One of the indicators used to track the achievement of this target is the share of children achieving at least a minimum proficiency level in reading at the end of primary school. Another target set for SDG 4 by the UN is to “*substantially increase the supply of qualified teachers*” by 2030. This is measured by the proportion of teachers in primary and secondary education who have received at least the minimum organized teacher training (e.g. pedagogical training) required for teaching at the relevant level in a given country. Furthermore, the UN looks to “*substantially expand globally the number of scholarships available to developing countries.*” (target 4.B of SDG 4).

Madagascar scores very low in all education quality indicators. Only **6% of children achieve a minimum proficiency level in reading at the end of primary school**. This is one of the lowest rates in the world, as well as in Sub-Saharan Africa. Less than half of Malagasy children continue their studies after primary school, and only one in five children make it to the end of high school. Furthermore, only 15% of primary school teachers are trained teachers (UNESCO data for 2018). Moreover, these are national level average data, and the situation in rural Madagascar is certainly worse than in urban areas.

The reasons for this are multiple: most **schools do not have the resources** to buy books and other essential learning materials (like a dictionary or a world map), **classrooms are overcrowded** (50-60 pupils per class is not unusual), many **teachers are not trained**, have scarce knowledge of French or even official Malagasy (the two official languages taught in Malagasy schools), lack access to official curricula and other sources to prepare their classes, and often have a secondary job as their earnings from teaching are irregular or insufficient. Furthermore, **families are poor**; children need to help in the fields or in domestic chores, and irregular and low earnings do not allow all families to pay for school fees and materials, thus affecting school attendance.

For these reasons, Boky Mamiko provides support to underprivileged schools and children in rural Madagascar, with the aim of improving the quality of their education and extending the number of years of school attendance. Boky Mamiko is currently active in Northwest Madagascar, particularly the **district of Ambanja**, and collaborates in varying capacities with **five schools**. This region is particularly disadvantaged by its distance from the national capital,

Antananarivo, made worse by poor road conditions. Aside from the touristic island of Nosy Be, the region is known for the cocoa plantations along the Sambirano river.



Since its founding in 2018, Boky Mamiko has supported the **Mamiko school** in **Djangoa**, a rural coastal village about 20 km from Ambanja, the district capital. The school was founded in 2008 by Ms. Geneviève Soaritony and originally included a nursery and a primary school. With the financial support of Boky Mamiko, a **school library** was opened in 2018 and a **secondary school** in 2019. In 2018 we also provided the Mamiko school with **solar panels**, a computer, a printer, and a beamer. In the 2023-2024 school year, **275 students** were enrolled at the Mamiko school, of which 72 in the secondary school. Aside from books and learning materials, our support to the Mamiko school includes salaries for teachers and the librarian, environmental education activities and teacher training. Moreover, **ten** of the students who received **Boky Mamiko scholarships** in 2023 are originally from the village of Djangoa itself.



A reading session at Mamiko school in Djangoa

In 2019 we started a collaboration with **Docenda**, a school located in the remote village of **Anjanjano**, only reachable by boat (or rather pirogue) from Ankify, the port connecting the main island to the island of Nosy Be. The school was founded in 2012 by Ms. Irène Petit, president of the French NGO [Docenda](#), and it offers free education to **177 children** between the ages of 3 and 18. About half of these children walk more than one hour through the forest to go to school every day. The other half come from even more distant villages (several hours of pirogue) and therefore stay in Anjanjano during the school year. Our collaboration with Docenda includes the provision of **books and learning materials**, financial support for the construction of the **school library** in 2022, as well as the co-management of our **high school scholarship program**. In fact, **eleven** of the students who received **Boky Mamiko scholarships** in 2023 completed their lower secondary education at Docenda.



Students during a reading session at Docenda school in Anjanjano

In 2021 we started a collaboration with **Saint Joseph school in Maherivaratra**, which lies about 20 kilometers north of Ambanja. This school has **420 students**, from nursery school to high school. The school is connected to **Casa Pasquale**, a student shelter hosting 93 students, of which **27** receive a **Boky Mamiko full-board scholarship**. Besides the scholarship program, Boky Mamiko supports St. Joseph school and Casa Pasquale financing books, teachers' salaries and training, health and nutrition, and infrastructure and maintenance. We also created a library for Casa Pasquale and funded the development of large vegetable garden.



Students at Saint Joseph high school in Maherivaratra

In 2021 we started collaborating also with **Saint Laurent school in Beandrarezona**, a rural village near Bealanana, a town in a landlocked region south of Ambanja. About **400 students**, from pre-school to secondary school, attend St. Laurent. Boky Mamiko provides this school with textbooks and books for the school library, as well as with financial support to pay the teachers' salaries and to run the school canteen, attended by 90 students daily in 2023. In 2022 we also funded the construction of the school canteen, vegetable garden, and toilets. Moreover, **nine** of the students who received **Boky Mamiko scholarships** in 2023 are originally from the village of Beandrarezona.



Students at Saint Laurent school in Beandrarezona

In 2022 a fifth school was added to the Boky Mamiko network: the **S. Giovanni XXIII school in Beramanja**. This is a newly funded school comprising kindergarten and the first three grades of primary school, which enrolled **160 students** in the 2023-24 school year (up from 125 in 2022-23). The school was founded in 2021 in the village of Beramanja, about 65 kilometers north of Ambanja, to respond to the need of the parents of having a local school for the youngest children, who otherwise would have had to walk a long distance to reach the nearest primary school. Moreover, the region of Beramanja, whose soil is particularly fertile, attracts internal immigration from the poorer South Madagascar. Due to extreme poverty and for cultural reasons, the number of out-of-school children is particularly high among these migrant groups and early marriages are still very common. The presence of a local school acts as an incentive for migrant families to send their children to school, as the rapidly increasing enrolment rates show.



Students of the S. Giovanni XXIII school in Beramanja

We are also in regular contact with the directors of several other schools and universities attended by Boky Mamiko bursary students, including the high school SE.VE.MA. in Ambanja, the [Institut Supérieur Pédagogique d'Antananarivo](#) (ISPA), the Institut Supérieur Paramédicaux Sambirano (ISPS), the Athénée St Joseph in Antsohihy (ASJA), the Université Catholique de Madagascar in Antananarivo, the Ecole Supérieure Polytechnique d'Antsiranana in Diego Suarez, and the vocational hotel school Wings of Change in Nosy Be. The directors of these institutions keep us informed about the academic results and the health status of our bursary students.

The following sections describe in greater detail the **activities** and **related expenditures** by Boky Mamiko (Switzerland) in 2023. Our activities are organized around **four major goals: quality education, employment creation, health and nutrition, and environment protection**. Each goal is followed through with a series of actions. For instance, quality education is followed through with the provision of books and learning materials to schools, scholarships for secondary and post-secondary education, and teachers training. Overall, in 2023 Boky Mamiko (Switzerland) spent a total of **CHF 31 161** towards its goals. The total impact of Boky Mamiko on quality education in rural Madagascar for 2023, however, should consider the activities financed by Boky Mamiko Italia, Boky Mamiko's sister association founded in 2021, which shares the same mission and goals. Overall, Boky Mamiko Italia spent **Euro 32 348** towards its goals. **A description of the activities financed by Boky Mamiko Italia** can be found in Appendix B to this report. The "tree" shown on page 1 summarizes the combined impact of Boky Mamiko (Switzerland) and Boky Mamiko Italia in 2023.

GOAL : QUALITY EDUCATION**ACTION : BOOKS AND LEARNING MATERIALS**

Giving access to books and learning material to students and teachers at rural schools in Madagascar is the foundation of Boky Mamiko. In 2023 Boky Mamiko continued providing books to the libraries of the girl shelter Casa Pasquale (adjoind to St Joseph school in Maherivaratra), the Mamiko school in Djangoa and the Saint Laurent school in Beandrarezona. Overall, in 2023 we have provided a total of **1343 books to five schools**. The library of Casa Pasquale was also provided with another **five laptops** in 2023, which were kindly donated by the Swiss NGO Labdoo.

Book donations accounted for **521 books**. Most of these books were gathered through **book collections** organized by Boky Mamiko volunteer students at **Collège du Léman (Versoix, Geneva)** and at **IMT Atlantique (Nantes, France)**. The suitability of texts and images of the donated books for the context of rural Madagascar was carefully evaluated by student volunteers and only the selected books were brought to the schools in Madagascar. These books were brought personally to the schools by our volunteers, with the support of Neos airline, which donated the extra freight costs.

Books purchases in 2023 accounted for a total of CHF 2449.22. To maximize our **support of the local book market** and the **sustainability of our book purchases**, we gave preference to locally published books. The cost of book purchases includes shipping costs, which were limited to within-country delivery of locally purchased books (bookstores are in the capital).

The purchase of **locally published books** include **568 Lovako textbooks**, which were distributed to four schools (Mamiko in Djangoa, St. Joseph in Maherivaratra, St. Laurent in Beandrarezona and Giovanni XXIII in Beramanja). The *Lovako* are textbooks edited by the local publisher Ambozontany, used to teach Malagasy from Grade 1 to Grade 12 in most schools in Madagascar. We also bought **214 books** (CHF 337) from the local publishers Mpariaka Boky and Paoly and **40 copies** of a children's magazine titled *Karné*, created and printed in Madagascar by a young female editor. Note that a part of these books were paid by Boky Mamiko by using the credit of 715 000 Ariary (about CHF 150) earned as author's rights from the sale of 130 copies of the book "*Les 12 mois de l'année à Madagascar*" ("The 12 months of the Year in Madagascar") from June 2022 and March 2023.

After the successful publication "*Les 12 mois de l'année à Madagascar*" ("The 12 months of the Year in Madagascar") by the **local publisher Mpariaka Boky**, we are planning the **publication** of the first episode of "*Caroline and Léon*" with the same editor in 2024. "*Caroline and Léon*" is a friendship story between a lemur and a chameleon, which was written by two students from Franklin University Switzerland. The publication costs (CHF 105.69) refer to the cost of running a competition for African illustrators to illustrate the book, which led to the selection of the Egyptian illustrator Salma Kamal.

Finally, we spent a total of CHF 766.12 to buy furniture for the libraries and to paint the building of the St. Joseph nursery school in Maherivaratra.

Expenses 2023 (CHF)

Goal : Quality Education – Books and Learning materials

Books and learning materials		2 452.22
568 Lovako textbooks	1 630.00	
214 books published by Mpariaka Boky and Paoly	337.00	
40 copies of children’s magazine <i>Karné</i>	129.56	
41 storybooks published in Europe	237.96	
1 French dictionary	34.90	
Stationary	79.80	
Publication costs		105.69
Library furniture		268.90
Painting of the nursery school		494.22
Total		3 321.03



Students at Saint Laurent school in Beandrarezona enjoy reading books in the library (May 2023)



Students from the IMT Atlantique engineering university in Nantes, France volunteered to collect books for Boky Mamiko

GOAL : QUALITY EDUCATION
ACTION : HIGH SCHOOL SCHOLARSHIPS

According to [UNICEF](#), in Madagascar only 13% of high-school-aged children attend an upper secondary school. This national percentage is lower in rural areas, as high schools are only available in larger towns and the cumulative cost of school fees, transport and accommodation in town makes upper secondary education unaffordable for most rural children. Albeit not a guarantee for employment, a high school diploma (the so-called “*Bacc*”) is the gateway to further education and an indispensable condition for most formal jobs. Without a *Bacc*, young people are doomed to low-earning informal work. Moreover, in a country where teen pregnancy and early marriage is still common, staying in a boarding school contributes to protecting girls from these disrupting events and gives them a better chance of becoming empowered women and offering a different future for their own children.

For these reasons, in 2020 Boky Mamiko started offering scholarships for high school study to the best students who complete lower secondary education in Boky Mamiko’s partner schools. As a rule of thumb, a ratio of 2 to 1 is followed in assigning scholarships to girls and boys, so as to give priority to girls’ education without neglecting the importance of boys’ education for society. We are very proud to announce that **all our bursary students from the first wave of scholarships** (the cohort that started high school in school year 2020-2021) **graduated in July 2023 and obtained their Bacc diploma!** Of these seven students, two passed with the grade of “quite good” and the other five got a pass grade. This is a big achievement, considering the difficulty of the Bacc exam and the students’ social and economic background.

In school year 2023-24, **31 bursary students attend school with a Boky Mamiko scholarship.** **19** of these are financed by **Boky Mamiko Switzerland** and **12** are sponsored by **Boky Mamiko Italia**. Most of these scholarships cover school fees, housing, food, books and supplies, transportations, and medical expenditures. It also includes private tuitions for students in the last year of high school, to support them in preparing for the Bacc exams, which are very demanding. Of the 19 bursary students sponsored by Boky Mamiko Switzerland in 2023-24 school year, 17 are resident at Casa Pasquale, the student shelter adjoint to St Joseph school in Maherivaratra. One student, who graduated from St Laurent junior secondary school in Beandrazona, is attending his first year of high school at SE.VE.MA, a prestigious high school in Ambanja. Another student is attending his final high school year in Bealanana.

During the school holidays in September 2024, we organized a **one-week English intensive course** for our high school bursary students and for teachers of St. Joseph and Mamiko school. The course took place at Casa Pasquale and was taught by Mr. Tinasoa, the founder of English Language Center, a renown English language school in Diego Suarez (Antsiranana), and focused on conversational English. The students enjoyed it very much and we could hear how their spoken English had improved when we visited Casa Pasquale last October.

Boky Mamiko encourages experiential learning and is always happy to organize educational school trips at the end of the school year. This year we financed two school trips: a first one to the **national park Nosy Tanikely** (a beautiful island and marine reserve) for the students who successfully completed their Bacc exams, and the other one for the students of Mamiko secondary school in Djangoa, who went for a **guided excursion to the National Park of Ankarana** learning about endemic plants and animals.

Expenses 2023 (CHF)**Goal : Quality Education – High school scholarships**

Boarding and tuition fees (Casa Pasquale, 17 students in September 2023)	4 490.47
Boarding and tuition fees (SEVEMA, 5 students until July, 1 student from Sept)	1 107.83
Tuition fees (Bealanana, 1 student, 8 months)	42.34
Transportation	740.26
Stationery and school uniforms	416.40
Health expenditures	92.34
School trips	341.36
English holiday camp	212.60
Tutoring	199.29
Other expenses (Christmas gifts, furniture)	192.42
Total	7 835.31



Our high school bursary students from Beandrarezona ready to start off a new school year at Casa Pasquale – St Joseph school in Maherivaratra (September 2023)



Our bursary students the day before their high school final exams: their good spirit was a premonition of their success! (July 2023)



Students at the English conversation holiday camp at Casa Pasquale in September 2023

GOAL : QUALITY EDUCATION

ACTION : SCHOLARSHIPS FOR POST-SECONDARY EDUCATION

Boky Mamiko's actions are framed by the United Nations (UN) Sustainable Development Goal (SDG) 4, which calls for ensuring inclusive and equitable quality education for all. The UN indicate a series of targets as "means of achieving" SDG 4, including the following:

- Target 4.b: "substantially expand globally the number of scholarships available to developing countries... for enrolment in higher education, including vocational training and information and communications technology, technical, engineering and scientific programmes."
- Target 4.c: "substantially increase the supply of qualified teachers, including through international cooperation for teacher training in developing countries..."

In accordance with Targets 4.b and 4.c of SDG4, Boky Mamiko offers scholarships for girls and boys for enrolment in post-secondary education. The scholarships include tuition fees, school uniforms and materials, including a phone and a computer, extra-curricular activities such as language or computer courses, housing, as well as a food allowance and transport costs. In 2023, **15 students (8 girls and 7 boys) attended a post-secondary educational program with a Boky Mamiko scholarship**. All of them are on track with their exams and obtained satisfactory results.

Since we believe that motivation is the most important thing in education, Boky Mamiko supports the personal preferences of students in terms of courses, offering scholarships for both vocational training (such as for teachers and nurses) and university programs at various institutions in the country. Selection is made on the base of their high school final exam grade and a motivational letter. For some universities, enrollment is subject to an entry exam.

Currently three female students are enrolled at the Institut Supérieur Pédagogique d'Antananarivo (I.S.P.A.) where they attend a **three-year teacher education degree program**. Four bursary students (two girls and two boys) attend a **three-year nursing degree program** at the Institut Supérieur des Paramédicaux Samibirano (I.S.P.S.) in Ambanja.

Two girls attend one of the most prestigious universities in Madagascar, the **Université Catholique de Madagascar** in Antananarivo, where they attend a bachelor program in Economics and in Social Sciences applied to Development respectively. Four bursary students attend **Athénée St Joseph in Antsohihy (ASJA)**, where they study Languages (three male students) and Economics (a female student). Moreover, a male student studies Engineering at the **Ecole Supérieure Polytechnique d'Antsiranana (Diego Suarez)**. Finally, one student attends the vocational hotel school **Wings of Change** in Nosy Be.

Expenses 2023 (CHF)

Goal : Quality Education – Post-secondary education scholarships

Boarding and tuition fees (ISPA, 2 students/12 months + 1 student/3 months)	2378.74
Boarding and tuition fees (ISPS, 10 months, 4 students)	1221.44
Boarding and tuition fees (UCM, 1 semester, 2 students)	1279.01
Boarding and tuition fees (ASJA, 1 semester, 4 students)	597.40
Boarding and tuition fees (Wings of Change, 1 student)	29.48
Tuition fees (ESP, 1 semester, 1 student)	59.91
School uniforms, materials, and stationery	192.07
Language and computer courses	722.60

Transportation	744.84
Mobile phones (8)	531.56
Medical expenses	97.21
Total	7854.26



Our bursary students attending the Teacher Education program at the Institut Supérieur Pédagogique d'Antananarivo (I.S.P.A.)...



...and the degree program in nursing at the Institut Supérieur des Paramédicaux Sambirano (I.S.P.S.)



Our university bursary students at Athénée St Joseph in Antsohihy (ASJA)...



...and at Université Catholique de Madagascar (UCM) in Antananarivo

GOAL : QUALITY EDUCATION
ACTION : TEACHER TRAINING

Teacher training lies at the heart of Boky Mamiko’s actions, as enhancing teacher competences is essential in the path to quality education. This year we focused on enhancing the local teachers’ English skills. In rural Madagascar, in fact, it is very hard to find English teachers that can speak English, even though they may have graduated in English and have relatively strong grammar foundations.

In September 2023, we organized an **English language** training course in collaboration with Mr. Tinasoa, the founder of English Language Center (E.L.C.), an English language school in the town of Diego Suarez (Antsiranana), which is the main city of Northern Madagascar. Mr. Tinasoa has developed a teaching method based on conversation, which is very effective for the students to actually “break the ice” and express themselves in English (as opposed to learning the grammar and not being able to speak). The training took place at Casa Pasquale and was attended by 10 teachers, both from St. Laurent and Mamiko school, as well as by our high school bursary students.

Finally, in September 2022 our librarian Storya asked to enroll in a French language course at the Alliance Française in Ambanja, an idea that we very happily supported throughout the end of the semester in March 2023.

Expenses 2023 (CHF)	
Goal : Quality Education – Teacher training	
English language training (Mr. Tinasoa, 10 teachers, 1 week)	542.97
French language course (Alliance Française Ambanja, Storya, 3 months)	20.22
Total	563.19



Teachers practicing English conversation and proudly showing their English language certificate

GOAL : QUALITY EDUCATION
ACTION : TRANSACTION FEES

Transaction fees incurred when transferring money to Madagascar via **Orange Money** for quality education projects account in total for CHF 692.46. Note that Orange Money transfers allow us to provide our collaborators and bursary students in Madagascar with the exact amount of money needed for previously agreed purchases, directly on their mobile phones and in real time. These fees can therefore be seen also as monitoring costs.

Expenses 2023 (CHF)	
Goal : Quality Education – Transaction fees	
Transaction fees for Quality Education projects	692.46
Total	692.46

GOAL : EMPLOYMENT CREATION

ACTION : TEACHERS, LIBRARIAN, COOKS AND LOCAL COORDINATORS

A second overarching goal of Boky Mamiko is to **create local employment**, as we recognize that work earnings are the primary way of getting out of poverty and also that having a job is an important source of self-esteem and empowerment. We realize this goal by paying **salaries** to **teachers**, a **librarian**, two **cooks**, as well as indemnities to our **local coordinators** for the logistical support they provide to Boky Mamiko.

In 2023, at the Mamiko school in Djangoa we paid for the salaries of **3 full-time and 2 part-time secondary school teachers and a librarian**. The salary of a full-time teacher and of our librarian is around 60 Swiss francs per month. In the first semester, we also paid the salary of the **school cook** who prepared the morning meals from January to March (see section Health and Nutrition, school meals, p. 20).

At the Saint Laurent school in Beandrarezona, in 2023 Boky Mamiko paid the salaries of **two full-time teachers**. These are the key teachers of grade 5 and grade 9, whose students must sit the end-of-primary and end-of-secondary school exams at the end of the school year. We also paid the salary of a **cook** to work at the school canteen throughout the school year. This work was performed by the mother of one of our bursary students.

At the Saint Joseph school in Maherivaratra, we paid the salaries of **7 teachers** for the junior secondary and high school final exam sessions in July 2023.

Finally, we paid indemnities to our **local program coordinators** for their logistical help and support for our activities. In fact, Boky Mamiko does not regularly employ any collaborator in Madagascar, but relies on the school directors, a nurse, and volunteers in Antananarivo for supervising the studies and health of our bursary students.

To incentivize self-employment and entrepreneurship, we also helped a local **micro-entrepreneur**, who produces chocolate in an artisanal way, pay for his electricity bill.

Expenses 2023 (CHF)

Goal : Employment creation

Mamiko school, Djangoa

March 2023 – February 2024	2 959.05
3 full-time and 2 part-time secondary school teachers, 11 months: ca. 2 160	
1 librarian, 11 months: ca. 660	
1 cook, 3 months: ca. 100	

Saint Laurent school, Beandrarezona

March 2023 – February 2024	
2 teachers, 10 months:	824.53
1 cook, 9 months:	193.84

Saint Joseph school, Maherivaratra

7 teachers, July 2023 (final exams revision)	278.21
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Local coordinators 765.75

Others (support to local micro-entrepreneur) 41.55

Transaction fees 62.53

Total 5 125.46



Our librarian Storya (top) and the Mamiko secondary school teachers reading the new textbooks, which we brought in May 2023



The cooks of St. Laurent and Mamiko school canteens

GOAL : HEALTH AND NUTRITION

ACTION : SCHOOL MEALS AND ORAL HYGIENE

During the **rainy season** in Madagascar (**January, February and March**) heavy rains and stormy weather negatively affect agriculture and fishing activities, so that many families don't have **enough to eat**. Moreover, often parents are forced due to the near impossibility of commuting during rains and mud to live near the farms and fields they cultivate. Many children thus live on their own during the rainy season, and end up not eating enough and not going to school regularly. This is the case, for instance, in the landlocked village of Beandrarezona, where the Saint Laurent school is located.

To support the children's health and learning capacity and to provide an incentive for regularly going to school, since January 2022 Boky Mamiko has financed a school meal program at the **Saint Laurent school** in Beandrarezona. The **school canteen** – located in a covered terrace built by Boky Mamiko in 2021 – started as a “rainy season project” for around 50 children and was then turned into an **all-year-round** project, upon request of the parents. In 2023, the school canteen provides a hot meal daily on schooldays to around **90 students**. The costs of running the school canteen include the raw materials (rice, beans, dried fish and meat, vegetables, and fruit) and the salary of a cook (see p. 18).

Since 2019, Boky Mamiko also finances a **school meal program** at the **Mamiko school** in Djangoa during the rainy season, **January to March**. In 2023, we paid 750 Swiss francs for the ingredients to prepare **meals for 270 students** for three months. In addition, we paid the salary of two cooks (see p. 18) for the same period. Note that this cost has increased by 25% with respect to the previous year, reflecting the high food price inflation that is affecting Madagascar since the COVID crisis.

In July 2023 we also financed the meals (full-board) for 25 students and five teachers during the preparation and the running of the BACC (the high school final exams), which take place in Ambanja, where we also rented a house for them.

Boky Mamiko is also aiming at **improving the nutritional content of the students' diet**, which is mainly comprised of rice, with few proteins, vitamins, and minerals. Increasing the students' micronutrients dietary intake would not only make them healthier but would also enhance their cognitive functioning, supporting their **learning and memory** capacity. To better understand the type and extent of deficiencies in the students' diet, in 2023 Boky Mamiko financed **blood tests** for a group of 11 students, resident at Casa Pasquale. The results of these blood tests were analyzed by a student at Collège du Léman for her IB Extended Essay, described in Appendix E.

In collaboration with the [Humble Smile foundation](#), we also provided 100 eco-friendly bamboo toothbrushes and fluoride toothpaste to the students living at Casa Pasquale in Maherivaratra, to replace the toothbrushes that were distributed in May 2022.

Expenses 2023 (CHF)

Goal : Health and nutrition – School meals

Saint Laurent school, Beandrarezona: School meals, 90 students, 10 months	2 451.59
Mamiko school, Djangoa: School meals, 270 students, January-March 2023	750.00
Casa Pasquale, Maherivaratra School meals, 25 students + 5 teachers, 15 days (full board)	566.83
Blood tests	258.33
Oral hygiene, 100 Humble Smile kits	Free
Transaction fees	79.97
Total	4 106.72



School meals act as an incentive to go to school and help to boost children’s learning ability



The girls at Casa Pasquale proudly wrote their names on their new bamboo toothbrushes (October 2023)

GOAL : ENVIRONMENT PROTECTION
ACTION : ENERGY EFFICIENT STOVES AND ENVIRONMENTAL EDUCATION

As part of our environment protection goal, Boky Mamiko introduced environmental education at the Mamiko secondary school in 2019. Since then, we have been financing the salary of the **environmental education teacher** (p. 19). We also purchased several **books with environmental messages** to inspire the children to protect the environment. Moreover, each February the Mamiko school organizes a **mangrove planting excursion** for all the Mamiko students.

Providing schools with access to clean energy is also part of Boky Mamiko’s environmental goals. In 2023, Boky Mamiko Italia financed the purchase of a **solar water pump** for the girl shelter Casa Pasquale and collaborated with ERG, an Italian leading operator of clean energy from renewable sources, to design and install a **solar energy system** for St Joseph school in Maherivaratra. The project is expected to be completed in 2024, Boky Mamiko’s costs for which (projected to total around 14 000 Swiss francs) will be accounted for in the 2023 operating results, and thus detailed in the 2024 Annual Report.

Boky Mamiko also promotes the use of energy-efficient cooking stoves by its partner schools and scholar students. These stoves, produced in Madagascar by the Swiss NGO Ades, consume up to 70% less charcoal, contributing to slowing down deforestation, which is largely linked to charcoal production. The cost of buying **eight energy efficient cooking stoves** was supported in 2021. This year we only had to replace one stove, therefore the only cost in this expense category was 15 Swiss francs.

Expenses 2023 (CHF)

Goal : Environment protection

Energy efficient cooking stove	15
<i>Environmental education teacher’s salary included in salaries section (p. 18)</i>	
<i>Solar energy pump and solar energy system financed by Boky Mamiko Italia (p. 33)</i>	
Total	15



Our visit to ADES in Antsohihy (May 2023)



Planting mangroves at the Mamiko school mangrove reforestation day (February 2023)

OTHER OPERATING COSTS

Boky Mamiko is **entirely based on volunteer work**. All Board members, active members and volunteers work without pay. The only administration costs borne by Boky Mamiko are bank charges, website, postage and telephone costs, and fundraising expenditures. This allows us to spend the quasi-totality of donations directly to the charity cause.

This year we spent just over 1 000 Swiss francs on these operating costs. These include around CHF 72 of banking costs. Note that, differently from last year, fees incurred when transferring money to Madagascar via **Orange Money** have not been included in the banking costs, but in the respective project expenditures, as they actually reflect a project cost (see page 19).

As for the fundraising costs, these include CHF 771.15 for purchasing **crafts** made in Madagascar to be sold at our **charity markets**. We take this opportunity to thank again Montessori House of Kids nursery school in Adliswil (Zurich) for allowing us to host a charity market at their Summer festival last June, as well as Parco Grancia in Lugano for hosting our Christmas charity sale in December.

Expenses 2023 (CHF)

Other operating costs

Bank charges:

Bank account	60.00
Bank commissions	12.59

Website and domain (yearly fee) 85.00

Postage and telephone costs 18.00

Fundraising costs:

Crafts purchases	771.15
Flyers	87.66
Transaction fees	13.99

Total 1 048.39



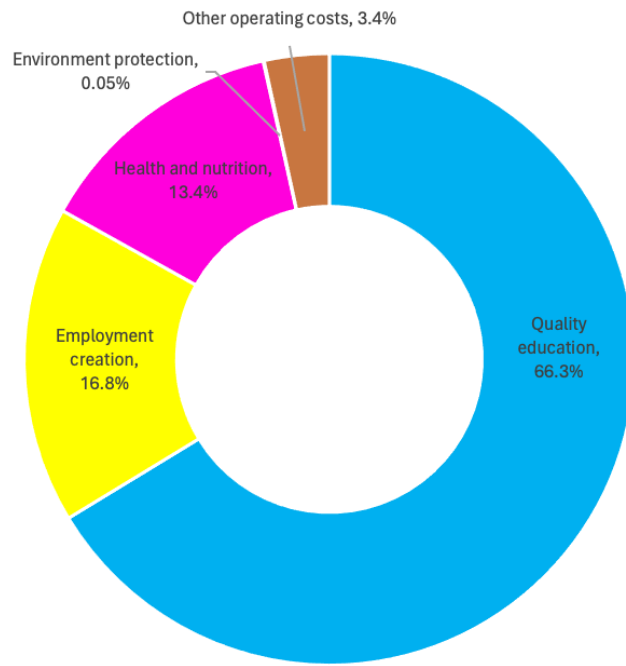
Our Summer and Christmas markets in Zurich and Lugano, Switzerland

SUMMARY OF 2023 EXPENDITURES

In 2023, **total expenditures were 30 562 Swiss francs**, about 12% higher than total expenditures in 2022 (27 387 Swiss francs), reflecting the increased number of scholarships offered, particularly at post-secondary level. The highest expenditure share was spent on **quality of education projects (66.3%** of total expenditures). Around **17%** of total costs were spent in **employment creation**. **Health and nutrition** projects account for **13.4%** of total expenditures. **Environment protection** expenditures this year were very low (0.05% of total expenditures), since a large amount is already planned to be spent on the installation of a solar energy plant in 2024. **Other operating costs** account for around **3.4%** of total expenditures, of which **administrative costs** account for **0.6%** and **fundraising costs** for **2.9%**. This means that around 3% is spent on running the organization and 97% of total expenditures are directly spent on projects.

Expenses 2023 (CHF)		
Quality education		20 266
Books and learning materials	3 321	
High school scholarships	7 835	
Post-secondary ed. scholarships	7 854	
Teacher training	563	
Transaction fees	693	
Employment creation		5 125
Health and nutrition		4 107
Environment protection		15
<i>Total expenditures on projects</i>		<i>29 513</i>
Other operating costs		1 049
Administrative costs	176	
Fundraising costs	873	
Total expenditures		30 562
Advance		599
Total expenses		31 161

Boky Mamiko's 2023 expenditures



DONATIONS

In 2023, Boky Mamiko's income was **42 495 Swiss francs**. This amount is higher than total expenditures for this year (CHF 31 161) allowing to set aside a provision for future projects.

Donations from **members of the association** account for 26% of total income (CHF 10 996).

Donations from **corporate and institutional donors** account for 50% of total income (CHF 21 366). The main donor in this group is represented by **Robeco Schweiz**, which devolved to Boky Mamiko their annual charitable donation (CHF 10 570). Also **BNP Parisbas** devolved to Boky Mamiko their annual charitable donation (CHF 1915). The **Missione Cattolica di Lingua Italiana** in Horgen devoted to Boky Mamiko the Mass offerings of several Holy Masses throughout the year and the proceedings of a charity lunch and a charity dinner, contributing with a total of 4150 Swiss francs. The **parish of St. Joseph in Horgen** collected for Boky Mamiko a total of 1530 Swiss francs. Donations were received also from **Miminvest SA, Philos & Partners, Blue Sfera GmbH** and **Natural Nuance**.

Beside cash donations, Boky Mamiko received in-kind donations from both corporate and individual donors. **Humble Smile Foundation** donated 200 eco-friendly oral hygiene kits, **Labdoo** donated 5 laptops, and several individual donors donated a total of 534 books, collected by students at **Collège du Léman (Versoix, Geneva)** and at **IMT Atlantique (Nantes, France)**.

Individual **one-off donations** in 2023 account for 4,285 Swiss francs, around 10% of total revenues.

Fundraising in 2023 account around 14% of total revenues (CHF 5848). Our summer and Christmas charity sales of artisanal products purchased in Madagascar were kindly hosted by **House of Kids Montessori** school in Adliswil and by **Parco Grancia** in Lugano. A charity football match and a bake sale were organized by students at Franklin University Switzerland, who founded **Naman'ny Boky Mamiko** (friends of Boky Mamiko), a student club to support Boky Mamiko. Charity sales were organized also by three students at various high schools in Zurich.

Income 2023 (CHF)			
Donations			36 647.15
<i>of which:</i>			
<i>Association members</i>		10 996.00	
<i>Corporate and institutional donors</i>		21 366.15	
<i>Individual donors</i>		4 285.00	
Fundraising			5 848.33
<i>of which:</i>			
<i>'Parco Grancia' Christmas Sale</i>		1 572.02	
<i>Naman'ny Boky Mamiko events</i>		1 180.50	
<i>'Reflections' event</i>		950.00	
<i>House of Kids summer party</i>		783.57	
<i>Other charity sales</i>		1 362.24	
Total			42 495.48



A charity bake sale organized by students at Franklin University Switzerland



Snapshots at our Christmas charity sale at Parco Grancia (Lugano)

APPENDIX A
BOKY MAMIKO (SWITZERLAND)
FINANCIAL STATEMENTS
For the period from 01.01.2023 to 31.12.2023

Balance Sheet
As of 31 December 2023
(in Swiss Francs)

	<u>31.12.2023</u>	<u>31.12.2022</u>
ASSETS		
Current assets		
Cash (PostFinance bank account)	70 076.77	58 449.67
Cash (Neon bank account)	1 151.69	1 444.24
Accounts receivable	<u>813.17</u>	<u>0</u>
	72 041.63	59 893.91
Total Assets	<u>72 041.63</u>	<u>59 893.91</u>
EQUITY AND LIABILITIES		
Liabilities		
Fund for Future Projects	72 041.63	59 893.91
Net Equity		
Capital	0	0
Result for the period	<u>0</u>	<u>0</u>
Total Equity & Liabilities	<u>72 041.63</u>	<u>59 893.91</u>

Profit & loss account
For the period from 01.01.2023 to 31.12.2023
(in Swiss Francs)

	<u>2023</u>	<u>2022</u>
INCOME		
Donations received	42 709.54	28 586.45
Bank interest	0	0
Total income	<u>42 709.54</u>	<u>28 586.45</u>
EXPENSES		
Expenses	30 489.23	26 536.86
Bank charges	72.59	850.64
Total Expenses	<u>30 561.82</u>	<u>27 387.50</u>
Provisions for Future Projects	<u>12 147.72</u>	<u>1 198.95</u>
Result for the period	<u><u>0</u></u>	<u><u>0</u></u>

APPENDIX B BOKY MAMIKO ITALIA REPORT

Boky Mamiko Italia ETS was born in November 2021 and was officially recognized as a non-profit organization by the **Italian authorities in March 2022**. The association shares the same mission of Boky Mamiko (Switzerland), i.e. to contribute to the achievement of inclusive quality education in Madagascar. Its activities are organized around Boky Mamiko's **major goals: quality education, employment creation, and health and nutrition**. Boky Mamiko Italia focuses on supporting two schools in particular: St. Joseph-Casa Pasquale in Maherivaratra and St. Giovanni XXIII in Beramanja. For these schools, the association also finances **infrastructural and maintenance expenditures** considered necessary for providing quality education in a functional, safe and healthy environment.

GOAL : QUALITY EDUCATION

Expenses 2023 (Euro)	
Goal: Quality Education	
Books and learning materials	728.30
High school scholarships (<i>Boarding and tuition fees</i>)	2 766.04
Other expenses	132.20
Transaction fees	50.02
Total	3 676.56

Within the specific goal of increasing the **quality of education**, Boky Mamiko Italia has been paying **scholarships to:**

- **six high school students** for the period March – June 2023;
- **seven high school students** for the period September 2023 – March 2024;
- **five secondary students** for the period September 2023 – March 2024.

The association also paid for **books** and learning materials (728.30 euro).

Transaction fees refer to expenses to send money to Madagascar (bank charges in Italy and taxes and bank charges in Madagascar).

GOAL: EMPLOYMENT CREATION

Expenses 2023 (Euro)	
Goal: Employment creation	
<i>St. Joseph school, Maherivaratra</i>	
3 teachers: March – June '22 & Sep. '23 – Feb. '24	1 485.87
<i>St. Giovanni XXIII school, Beramanja</i>	
2 teachers: March – June '22 & Sep. '23 – Feb. '24	740.40
Other expenses	64.57
Transaction fess	17.88
Total	2 308.72

With the goal of **creating local employment**, as well as to support education, Boky Mamiko Italia is continuing to pay the salaries of **five full-time teachers**. **Three teachers** are employed

by St. Joseph high school and teach **science subjects**. These teachers were added to the school's teaching staff upon Boky Mamiko's proposal to include in the school's curriculum the **scientific high school diploma**. In Madagascar, in fact, there are two main high school diplomas: the literary and the scientific one. The scientific high school diploma is obtained by fewer students, so it opens better job possibilities. Boky Mamiko Italia also continues to pay salaries to **two full-time teachers** in St. Giovanni XXIII primary school in Beramanja. Transaction fees refer to expenses to send money to Madagascar (bank charges in Italy and taxes and bank charges in Madagascar).

GOAL : HEALTH AND NUTRITION

Expenses 2023 (Euro)	
Goal : Health and nutrition	
<i>Casa Pasquale, Maherivaratra:</i>	
Rice for daily meals, 80 students, 7 months	3 300
Total	3 300

As for our **health and nutrition** goal, in 2023 Boky Mamiko Italia contributed 3 300 euros towards the daily meals of the girl shelter Casa Pasquale in Maherivaratra, which hosts around **80 students** attending the adjoint school St. Joseph. The school director informed us that this amount covered their **rice consumption for about seven months**.

GOAL: SCHOOL INFRASTRUCTURE AND MAINTENANCE

Expenses 2023 (Euro)	
Goal: School infrastructure and maintenance	
<i>Casa Pasquale, Maherivaratra:</i>	
Student dorm construction	1 501.61
Water pump replacement	565.43
Casa Pasquale Painting	990.95
<i>St. Joseph School, Maherivaratra</i>	
Solar energy system	16 490.19
Other expenses	40.02
Transaction fees	55.50
Total	19 643.70

In 2023, Boky Mamiko Italia finalized the **construction of a student dormitory**, started in 2022. The dorm **can host up to 20 students** living at Casa Pasquale and attending St. Joseph school in Maherivaratra. The construction was sponsored by **Neos**, an Italian airline operating between Italy and Nosy Be (the international airport closest to the region where Boky Mamiko is active), which has been supporting Boky Mamiko since its foundation in 2018.

In addition, Boky Mamiko Italia paid the **replacement of the water pump** which broke down and the **painting** of the internal and external walls of Casa Pasquale.

Thanks to the **donation** received by **ERG**, Boky Mamiko started an important project aimed to install a **solar energy system** at St. Joseph school. The plant will give **light to the school** and it will be powerful enough to **provide electricity for the start-up of new businesses**, also benefiting the local community. The project is expected to be finalized in the first half of 2024. Transaction fees refer to expenses to send money to Madagascar (bank charges in Italy and taxes and bank charges in Madagascar).

OTHER OPERATING EXPENSES

Expenses 2023 (Euro)	
Administration and fundraising costs	
Bank charges, transaction fees and taxes	404.34
Tax advisor	710.53
Fundraising expenditures	2 299.06
<i>of which: "Aperitivo Solidale"</i>	<i>1 305</i>
Other expenses	4.72
Total	3 418.65

In 2023, the administration costs of Boky Mamiko notably included the costs related to the tax consultant who assists the Association (Euro 710). Taxes on bank interests amount to Euro 239.73.

The fundraising costs include the cost (Euro 1305) borne to organize an aperitif during which the Association's projects have been illustrated to the guests. The event brought a net benefit of Euro 1685 for the Association.

SUMMARY OF INCOME AND EXPENDITURES

Expenditures 2023 (Euro)		
Quality education		3 676.56
Employment creation		2 308.72
Health and nutrition		3 300.00
School infrastructure and maintenance		19 643.70
<i>Total expenditures on projects</i>		28 928.98
Other operating expenses		3 418.65
<i>of which taxes on bank interests</i>	239.73	
Total expenditures		32 347.63

INCOME

Income 2023 (Euro)		
Association members		1 320.00
Corporate and institutional donors		40 050.00
<i>of which:</i>		
<i>ERG Group</i>	39 050	
<i>Morganti Insurance Brokers</i>	1 000	
Individual donors		14 236.00
Fundraising		5 116.00
<i>of which:</i>		
<i>“Aperitivo solidale”</i>	2 990	
<i>spices</i>	1 316	
<i>puzzle and memory sale</i>	500	
<i>Exhibition Reflections</i>	310	
5x1.000		3 568.17
Bank interests		921.96
Total		65 212.13

The above table show the income raised through association membership fees, donations from corporate and institutional donors (notable the donation of **ERG Group** to finance a solar energy system to be installed at Saint Joseph school in Maherivaratra) and from individual donors, as well as through fundraising.

As for fundraising, a revenue of 5116 Euro was raised mainly by the “**Aperitivo solidale**”, an aperitive organised in Milan to present the projects of the Association to friends of Boky Mamiko. Another source of funds was the puzzle and memory game representing plants and animals of Madagascar illustrated for Boky Mamiko by **Adrienne Barman**, a well-known Swiss artist. These games allowed to raise 500 euro, thanks to the special contribution of **Earth Viaggi**.

Overall, Boky Mamiko Italia’s 2023 income was 65 212.13 euro. Total expenditures were 32347.63 euro, resulting in a **net result of 32 864.50 euros, which are set aside as reserves for future projects.**

APPENDIX C
BOKY MAMIKO ITALIA ETS
FINANCIAL STATEMENTS
For the period from 01.01.2023 to 31.12.2023

ASSOCIAZIONE BOKY MAMIKO ITALIA ETS					
RENDICONTO AL 31.12.2023					
USCITE	anno 2023	anno 2022	ENTRATE	anno 2023	anno 2022
A) Uscite da attività di interesse generale			A) Entrate da attività di interesse generale		
1) Materie prime, sussidiarie, di consumo e di merci	- €	258 €	1) Entrate da quote associative e apporti dei fondatori	1'320 €	1'200 €
2) Servizi	29'081 €	20'805 €	2) Entrate dagli associati per attività mutuali	- €	- €
3) Godimento beni di terzi		- €	3) Entrate per prestazioni e cessioni ad associati e fondatori	- €	- €
4) Personale	- €	- €	4) Erogazioni liberali	17'362 €	8'485 €
5) Uscite diverse di gestione	- €	945 €	5) Entrate del 5 per mille	3'568 €	- €
			6) Contributi da soggetti privati	39'050 €	14'000 €
			7) Entrate per prestazioni e cessioni a terzi		- €
			8) Contributi da enti pubblici	- €	- €
			9) Entrate da contratti con enti pubblici	- €	- €
			10) Altre entrate	- €	- €
Totale	29'081 €	22'007 €	Totale	61'300 €	23'685 €
			Avanzo/disavanzo attività di interesse generale	32'219 €	1'678 €
B) Uscite da attività diverse			B) Entrate da attività diverse		
1) Materie prime, sussidiarie, di consumo e di merci	1'722 €	- €	1) Entrate per prestazioni e cessioni ad associati e fondatori	- €	- €
2) Servizi	- €	- €	2) Contributi da soggetti privati	- €	- €
3) Godimento beni di terzi	- €	- €	3) Entrate per prestazioni e cessioni a terzi	- €	- €
4) Personale	- €	- €	4) Contributi da enti pubblici	- €	- €
5) Uscite diverse di gestione	- €	- €	5) Entrate da contratti con enti pubblici	- €	- €
			6) Altre entrate	- €	- €
Totale	1'722 €	- €	Totale	- €	- €
			Avanzo/disavanzo attività diverse	- 1'722 €	- €
C) Uscite da attività di raccolta fondi			C) Entrate da attività di raccolta fondi		
1) Uscite per raccolte fondi abituali	- €	- €	1) Entrate da raccolte fondi abituali	- €	- €
2) Uscite per raccolte fondi occasionali	1'305 €	2'022 €	2) Entrate da raccolte fondi occasionali	2'990 €	22'408 €
3) Altre uscite		- €	3) Altre entrate	- €	- €
Totale	1'305 €	2'022 €	Totale	2'990 €	22'408 €
			Avanzo/disavanzo attività di raccolta fondi	1'685 €	20'386 €
D) Uscite da attività finanziarie e patrimoniali			D) Entrate da attività finanziarie e patrimoniali		
1) Su rapporti bancari	240 €	319 €	1) Da rapporti bancari	922 €	38 €
2) Su investimenti finanziari	- €	- €	2) Da altri investimenti finanziari	- €	- €
3) Su patrimonio edilizio	- €	- €	3) Da patrimonio edilizio	- €	- €
4) Su altri beni patrimoniali	- €	- €	4) Da altri beni patrimoniali	- €	- €
5) Altre uscite	- €	- €	5) Altre entrate	- €	- €
Totale	240 €	319 €	Totale	922 €	38 €
			Avanzo/disavanzo attività finanziarie e patrimoniali	682 €	- 280 €
E) Uscite di supporto generale			E) Entrate di supporto generale		
1) Materie prime, sussidiarie, di consumo e di merci	- €	- €	1) Entrate da distacco del personale	- €	- €
2) Servizi	- €	- €	2) Altre entrate di supporto generale	- €	- €
3) Godimento beni di terzi	- €	- €			
4) Personale	- €	- €			
5) Altre uscite	- €	- €			
Totale	- €	- €	Totale	- €	- €
Totale uscite della gestione	32'348 €	24'347 €	Totale entrate della gestione	65'212 €	46'131 €
			Avanzo (disavanzo) d'esercizio prima delle imposte	32'864 €	21'784 €
			Imposte	- €	- €
			Avanzo (disavanzo) d'esercizio	32'864 €	21'784 €

(page 1 of 2)

Uscite da investimenti in immobilizzazioni o da deflussi di capitale di terzi	anno 2023	anno 2022	Entrate da disinvestimenti in immobilizzazioni o da flussi di capitale di terzi	anno 2023	anno 2022
1) Investimenti in immobilizzazioni inerenti alle attività di interesse generale	-	-	1) Disinvestimenti di immobilizzazioni inerenti alle attività di interesse generale	-	-
2) Investimenti in immobilizzazioni inerenti alle attività diverse	-	-	2) Disinvestimenti di immobilizzazioni inerenti alle attività diverse	-	-
3) Investimenti in attività finanziarie e patrimoniali	-	-	3) Disinvestimenti di attività finanziarie e patrimoniali	-	-
4) Rimborso di finanziamenti per quota capitale e di prestiti	-	-	4) Ricevimento di finanziamenti e di prestiti	-	-
Totale	-	-	Totale	-	-
			Avanzo/disavanzo da entrate e uscite per investimenti e disinvestimenti patrimoniali e finanziamenti prima delle imposte	-	-
			Imposte		
			Avanzo/disavanzo da entrate e uscite per investimenti e disinvestimenti patrimoniali e finanziamenti	-	-
				anno 2023	anno 2022
			Avanzo/disavanzo d'esercizio prima di investimenti e disinvestimenti patrimoniali e finanziamenti	32'864 €	21'784 €
			Avanzo/disavanzo da entrate e uscite per investimenti e disinvestimenti patrimoniali e finanziari	-	- €
			Avanzo/disavanzo complessivo	32'864 €	21'784 €
Saldo disponibilità liquide al 01/01	anno 2023	anno 2022			
C/c Banca	21'765 €	- €			
Cassa Contanti	19 €	- €			
TOTALE	21'784 €	- €			
RIEPILOGO:					
Saldo disponibilità liquide	anno 2023	anno 2022			
Entrate complessive dell'esercizio	65'212 €	46'131 €			
Uscite complessive dell'esercizio	32'348 €	24'347 €			
Residuo Attivo d'esercizio	32'864 €	21'784 €			
Saldo disponibilità liquide al 31/12	anno 2023	anno 2022			
C/c Banca	54'629 €	21'765 €			
Cassa Contanti	19 €	19 €			
TOTALE	54'648 €	21'784 €			
Costi figurativi	anno 2023	anno 2022	Proventi figurativi	anno 2023	anno 2022
1) da attività di interesse generale			1) da attività di interesse generale		
2) da attività diverse			2) da attività diverse		
Totale			Totale		

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APPENDIX D FRANKLIN UNIVERSITY SWITZERLAND ACADEMIC TRAVEL

In October 2023, a group of 12 students from [Franklin University Switzerland](#), accompanied by Boky Mamiko representatives, spent two weeks in Madagascar visiting the schools supported by Boky Mamiko. With the help of the Franklin students, we planned and ran three workshops at Casa Pasquale, to expose the students – and their teachers – to a more holistic and experiential way of learning than that normally used in Madagascan schools.

Specifically, we run three workshops : **debating**, **conducting scientific field research**, and **newspaper article writing**. Casa Pasquale students were divided into three groups, each supervised by a group of Franklin students and a Boky Mamiko representative, and worked on their projects for four days. For the debating workshop, Boky Mamiko invited two students at the University of Antananarivo, whose debating team won the international debating competition in 2023, to join us at Casa Pasquale and help us running the workshop.

On the last evening, every group showed to the whole community what they had learned and created. A heartfelt debate, colorful posters representing the type and quantity of different plants at Casa Pasquale’s garden, and the first issue of a school newspaper were the amazing results of these workshops. The enthusiasm of the students was heartwarming and confirmed that experiential learning is key for a long-lasting, holistic education.



Experiential learning: conducting a field research in the vegetable garden of Casa Pasquale

APPENDIX E

THE EFFECT OF MALNUTRITION ON STUDENT'S COGNITIVE FUNCTIONING

In 2023, a student from Collège du Léman (Versoix, Switzerland) wrote her International Baccalaureat (IB) Extended Essay on “*The Effect of Malnutrition on Student's Cognitive Functioning in Madagascar*”. This study explores the effects of the unvaried and under-nutritious diet of students in École St. Joséph, in Maherivaratra, Ambanja, in northwest Madagascar on their cognitive functioning, specifically on learning and memory.

This study was based on personal observation of the diet at École St. Joséph and on interviews about the students' eating habits at Docenda school, as well as on a set of blood tests, performed on a group of 11 students at Casa Pasquale.

The analyses of the students' **blood tests** revealed that the students are **uniformly deficient in vitamin B12, iron, calcium and magnesium**. All these nutrient deficiencies significantly affect neurotransmission in the students' brains, impacting their cognitive functioning, especially memory and learning.

The study concludes that to restore healthy levels of vitamins and minerals in the blood, the sustainable solution would be intake by diet. This could be achieved through nutritional education. However, the significant financial and infrastructural limitations of rural areas in Madagascar, together with a strong cultural tie to rice, suggest that in the short run a more efficient solution could be to integrate the students' diet with vitamin B and iron, calcium and magnesium complex supplements.



Students at Docenda discussing their eating habits with Boky Mamiko volunteers

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A special mention goes to Sr. Louise, founder of the girls shelter Casa Pasquale, whose guidance and concrete support are essential.

With your efforts and generosity, many children in Madagascar can receive higher quality education and aspire towards a better future.

To all of you, thank you for your support !

