

Project Plan Vocational Education Gambia 2023/2026

Prepared by:

- Bymyra School &
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For:

- Student groups, education institutes and entrepreneurs in the Netherlands willing to fulfil or facilitate internships in the Gambia, Africa

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Summary

All what really matters in people life is human contact. This phrase, the mission statement of our NGO, is originally from Martin Buber. He was a Jewish theologian who was aiming for a nation where Jewish, and Muslims work on a mutual dream: A peaceful and prosperous society where both religions cooperate in synergy to something far beyond individual interests.

This dream has been brought in practice in the Gambia, where our NGO facilitates the cooperation between ROC Tilburg and Bymyra School. These are not only just two organizations but networks of inspired students, teachers, entrepreneurs, workers, and managers, in the Gambia and in the Netherlands, who really believes that a better world is possible if differences are set aside, and cooperation is leading.

Now this practice turns out to be so successful in the Bymyra Vocational Campus Kungkujang Gambia, we want to continue this dream in coming years with everybody who has the same feeling of cooperation.

This document shows how the cooperation could continue and get shape in the coming years.

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Herman Gels,

Board member of Kameroen Werkt, responsible for vocational education and business development in Africa.

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1. Introduction

1.1 Problem analysis

Although the Gambian private initiative Bymyra School is very commendable, a lack of connecting vocational and higher education frustrates its pupils after graduation for there is a gap between school and income generating professions. The Gambian economy also lacks a number of supply chains to appropriate and affordable food, healthcare, domestic, public and agricultural infrastructure, e.g. buildings, constructions and machines. Finally, there are on top of the Bymyra graduates presumably vast numbers of young, willing and talented people in the prime of their lives who want to make their country, families, and children the best on earth, but don't see the possibilities to achieve that.

1.2 Long Term Goal

Vocational education for secondary school graduates and demanded professionals in technics, agriculture, and possible other sectors.

The vocational education will create new business for vocational graduated and open-minded entrepreneurs. It also generates cash flow for teachers and low or no school fees for talented students who want to cooperate with us. Meanwhile it contributes to a more sustainable Gambian economy.

1.3 Progress since the start of the project in 2022

In summer 2022 we started this project with a cooperation agreement between Bymyra Bilingual School (Bymyra), ROC Tilburg and Kameroen Werkt (KW). Based on this agreement the following action has been implemented.

Date	Actions implemented in 2022/2023
June 2022	Cooperation Agreement Bymyra KW and ROC Tilburg signed, Students information sessions,
Sept 2022	Bymyra bought 1,2 ha land via a KW loan in Kunkujang Gambia, supposed to be the future campus for vocational education. The land had been fenced, storages and buildings has been realized including the structural work of the technique practice classroom shortly abbreviated as VEB (Vocational Education Building), vegetable garden and a poultry coop under construction
Jan 2023	12 Students prepared a project: Sponsorships, cars, VEB roofing, solar system, electrical engineering, classroom equipment for the VEB
Feb/March 2023	Students made their road trip to Gambia and implement the project as it has been prepared (equipped VEB and with stand-alone energy supply) plus additional activities: Making concrete boards, installing solar heaters and digi-boards at Bymyra.

2. Results since 2022

Now the VEB-building and side projects has been realized by the ROC students and the Gambian VEB team we are proud to mention that we have a campus of 1.2 hectare (= 12.000 m²) with the following items inside the fence:

2.1 Poultry

The campus is aimed to be as much as possible self-supporting by food and incoming cashflow. The poultry coop of 206 m² offers space to 1.000 chickens producing free range eggs.

2.2 Vegetable garden

This garden provides different vegetable crops: onions, garlic, carrots, cucumbers, spinach, egg plants, radish, tomato's etc. There is also a solar powered well pump and so a water supply for the garden.

2.3 Side buildings

There are storage buildings (325 m²), roofed working spaces 160 m², bathroom blocks and housing for the gardener and guardhouse/office (41 m²)

2.4 VEB

The central place is the practical classroom for mechanical engineering and construction (100 m²). The The Gambian team build the structural work that has been completed by the ROC Tilburg students with:

- State of the art roofing to European standards, suitable for railed hoisting and bearing solar panels.
- Solar system including 31 solar panels, a converter and a battery, able to provide a permanent off grid power supply of 5 KVa.
- A classroom workshop equipped with suitable work benches sockets and (storage of) electrical hand tools, drill press, drills screw drivers, grinders welding machines etc.
- A stand-alone power grid for the campus
- A computer conducted digi-board

2.5 Side projects of the ROC students

The ROC students realized in addition to their VEB project, mentioned in **Fout!**

Verwijzingsbron niet gevonden., some separate projects like:

- It installed solar heaters at three different places as part of other KW projects: Tunbung Village, Bymyra Bilingual School and at the Vocational Campus.
- Installed digi-boards also at Bymyra Bilingual School
- Made a start with the welding of concrete boards as part of cashflow generating business: renting out building tools and sales of building materials

3. New project targets

Thanks to the inspiring energy of ROC Tilburg students and Bymyra we achieved much hardware-based targets. However, hardware is only the half of the needs to achieve high standard vocational education so urgently needed in Africa to make its development sustainable. Therefore next targets will focus on:

3.1 Curriculum development;

There needs to be lesson programs for urgently needed professions in the Gambia as there are: Carpentry, plumbing, solar grids, mechatronics (steel constructions, machines and maintenance), building constructions (preferably with traditional and sustainable materials), car mechanics, efficient horticulture, and poultry.

3.2 Cashflow teacher salaries;

At the same time, we need to create and develop business, closely related to the present campus activities and the fast developments in the Gambian market. Ida and Modou of Bymyra are hard working entrepreneurs but the profit of their business is just sufficient to provide their own salaries. If we want to pay more teacher salaries and maintain a low threshold for talented youngsters willing to follow vocational education their business needed to be increased. Moreover, teacher salaries of vocational teachers here in the Gambia are 4 times higher than the salaries for primary and secondary education teachers. Profitable market demands are now in the Gambia:

- Renting out building materials and tools
- Replacement of cement-based blocks or constructions by local available mud blocks, and waterproof straw roofing, preferably instead of only corrugated steel;
- Fresh food production with focus on vegetables, poultry, and bottled drinks,
- Car repair and maintenance with focus on tire replacement

3.3 Local Teacher Training

The local teacher training starts already with involvement of young enthusiastic Gambians in the present developments at the campus and related business. However, within 2 years practice and theory need to come together in a suitable curriculum for the different professions needed and teachers who understand the present market developments in the Gambia.

3.4 Leaflets for the next Dutch students

Our first experience with the ROC Tilburg at site in Gambia are very positive! There was an eagerness with all involved parties to make this the 2022/2023 plan to a success. And this definitively tastes for more: Students, disciplines, and intensive cooperation. Therefore this time we choose for leaflets to motivate other students, teachers, and education institutes to jump on board of this ongoing train of cooperation between cultures, education institutes, and individuals. This type of

cooperation enriches them with experience, competences, adventure, talent to improvise and multicultural respect.

The leaflets will be in Dutch and English and contain the following items:

- Recruiting text
- Target group of students,
- Brief project description,
- Expected results,
- Required preparation
- Planning
- Conditions

Further on detailing of the plan depends on the real interest of Dutch students, the support they get from their own staff, their disciplines, willingness to cooperate and search for sponsors. The recruitment starts half March 2023. The leaflets are included in English (attachment 1) and Dutch (attachment 2).

3.5 Direct start lessons

Bymyra will use the VEB location as it has been equipped by the present ROC students, directly after it has been delivered, as practice classroom for metal processing to facilitate vocational students learning welding, grinding and drilling to be applied in the production or refurbishment of arco props, scaffolds and concrete boards to be used in the rental of building tools.

It would be great help if lessons metal treatment can commence as soon as possible after the ROC students delivered the classroom at the end of their internship. Translated manuals of ROC Tilburg can hopefully made available asap.

4. Financial Planning

There are three potential sources and destinations of funding this project:

- The Gambian counterparts generate their own cashflow doing business in their own market with help of a few Western entrepreneurs assisting them with advice, investments, and operating capital to mutual benefit.
- The Dutch students pay their own costs for traveling, lodging and daily allowances or let them be sponsored by own (commercial) relations or education institutes. The total cost for the execution of a leaflet plan is estimated at € 5,000 per student when they want to join the GFA¹ like tour or € 2,000 per student without a car trip.
- The NGO KW is facilitating this project to both the Dutch and Gambian sides and do this for their own account. However, based on the experience so far it turns

¹ GFA is the Go for Africa Foundation, who organizes car trips with sponsored cars from the Netherlands to different developing countries in Western Africa.

out that during the implementation unexpected costs are popping up and in the flow of the daily activities KW fills sometimes the gaps from its own very modest resources. In the future an emergency fund of € 5,000 per leaflet plan would be required. Therefore, it will search for external funding.

In general, each leaflet plan will only be executed when the financial risks are carefully judged by all involved parties. In case of unexpected costs, the implementation of the leaflet plan will be downsized, or the extra costs will be distributed over the involved parties as to be agreed.

In this way combination of:

- Adventurous internships for students
- Generating business for teacher salaries and
- A facilitating NGO organizing the connection between the first ones,

We can create a solid basis to achieve the UN Sustainable Development Goals step by step without almost nothing else than the 5 k€ per planned leaflet.

Our NGO will process a formal application to suitable sponsors to get compensation for the implementation of the 11 leaflets, together 11 times 5k€ is € 55 k€.

5. Communication Planning

Now this first year of cooperation experience between Bymyra, KW and ROC Tilburg turns out to be very successful, we want to use this experience in our next recruitment campaign for other Dutch education institutes, students, other knowledge networks like PUM², sponsors, cooperating entrepreneurs and individuals. Therefore, we made the leaflets, promotion movies, and use social media to spread this successful approach. However voluntary communication expertise and efforts are highly appreciated.

6. SWOT-analysis

A SWOT-analysis is a structured way of project risk management addressing the **S**trengths (in the project), **W**eaknesses (in the project), **O**pportunities (outside the project) and **T**hreats (outside the project). Abbreviated as SWOT. Such an analysis is important for all the parties in the project, including the loan providers.

6.1 Strengths

Bymyra School has a strong management performed by Ida Ndow. She started her career abroad in the United States and Norway and came back to the Gambia to establish the Bymyra School already in 2011. Her husband Modou Ceesay had a successful own business in the UK. But left that for development of Gambia and is also very helpful to make Bymyra School a success. Both have a clear understanding of the

² PUM is a Dutch government sponsored NGO of retired experts volunteering in developing countries in a wide range of knowledge and experience in e.g. infrastructure, education, supply chain management, startup support, finance, energy, industry, agriculture, energy, water and environment.

Western European way of thinking, needs in Gambia and are able bridge the gap between the two cultures.

Kameroen Werkt (KW) is a Dutch NGO founded in 2010 by Bertie Hendriks, former co-director of [ITIP](#). He and his board of 4 other members performed many development projects in Cameroon and Gambia. Some of them are entrepreneur in the Netherlands. The relation between KW and Bymyra has been established by a loan agreement for 85 k€ since 2018, and a loan of 40 k€ for a 1.2-hectare land in 2022 for the Vocational Campus including buildings to both sides' satisfaction.

ROC Tilburg as already a substantial track record in projects in developing countries and Senegal and Gambia in particular. One of the characteristics of ROC Tilburg cooperation projects is that students traveling by car to the target country an bring tools and materials to equip practice classes and train teachers and students how to use this materials and tools. Last summer (2021) KW and ROC met each other for the first time and now with this plan as a start we are working on a more structural relation and preparing further cooperation.

Cooperation between the three organizations Bymyra, KW and ROC Tilburg has proven to be an ideal combination of complementary strengths and expected synergy between them. However, to enlarge the cooperation in other disciplines (poultry, horticulture, and biobased building constructions) more Dutch education institutes might be involved

6.2 Weaknesses

This project is vulnerable for they are partly depending on the willingness and efforts of volunteers, donations and loan providers of Western organizations.

Therefore, it is important that, preferably at the start, but also in the next steps expectations should properly be managed, adjusted, agreed, and confirmed continuously during the project.

There might be a weakness in the project for the cooperation is very much dependent on the efforts of Ida and Modou of Bymra. Kameroen Werkt Foundation and Bymyra are so far successfully working on enlargement of their Gambian network of counterparts so that the cooperation will continue, also if 1 or 2 have to step aside.

Within this project we must deal with unexpected circumstances, cultural differences, and language barriers. Therefore, we need volunteers who are used to this situations, or open minded, curious and solution driven instead of fear driven personalities.

Regarding the willingness and donators and loan providers it is very important to prepare proper and well thought and convincing written plans providing transparency and well managed expectations.

6.3 Opportunities

The impact to the Gambian society is in potential enormous. Especially when Bymyra School could fulfill a role model or a benchmark to other (private and public) schools. Especially when it shows how it can contribute to Global Development Goals achievement.

Although there is internet and there are nice buildings and constructions, the knowledge transfer needs to fit to the present basic Gambian standard. On the other hand, it should challenge the Gambians to get more feeling what technology can easily be introduced in their local economy and brings them benefits. Like solar systems, rainwater collection systems, improved basic water purification and sewer systems, basic improved network systems instead of high frequency networks like 4G or 5G. An alternative for high frequency networks could be LoRaWa systems. Also, forestry programs, new crops which grow in conditioned circumstances and may contribute to the food program and prevent the consumption of expensive meat, like e.g. mushrooms as a meat substitute.

As said the people attitude toward self-development is poor. Most of the people suffer from a lack of almost everything and believe that their destiny is all in the hands of Allah. Empowerment and education to independent young individuals who fight for their basic human rights is essential. This is especially needed for the female part of the population. We think this is the main effort to change people attitude towards corruption, false religion, and abuse of power (of a few) toward an ignorant population.

Youngsters need to be encouraged to educate themselves not only in knowledge: hygiene, sexual education, human rights, civil rights and Global Development Goals but also in the way how they should apply this knowledge in their daily life. For instance, by using competence training: Role games, drama, communication and debating. For all these competences we need enthusiastic and open-minded students who might come along with the more technical oriented students.

The impact for ROC students (and teachers) is also enormous when they realize that the world is more than only Western Europe and that material welfare is not an automatic standard, but something that need to be protected by strong institutions where power and contra power is organized. Press freedom, triple politics, unions, independent monitoring, and consumer rights enforcement exists but need to be monitored and enforced, when necessary.

ROC students will be more mature and experienced, also in their daily work in the Netherlands when they realized the practices of basic technology in less favored circumstances. Eg. What could happen if welding joints are not proper, cables are wrong connected or design, supply chains or calculation failures affects the final result?

6.4 Threats

Working in developing countries it is always a challenge to deal with the public administration, which might be unpredictable, corrupt, or unstable. Although there is a stable, elected administration and parliament, also in the Gambia there are a lot of similarities with other less stable developing countries.

In the meantime, the school is performing above average noticed by parents, the pupil and teachers coming to Bymyra from other schools. Modern subjects and methods are being introduced, making pupil independent and openminded adults who might discuss traditions, corruption, and false religion. In this respect governmental bodies, fanatic or conservative movements may enforce opposition to the school for it is too liberal or too revolutionary.

Also, in the Netherlands and the EU there is now less attention for the urgent need to help developing countries in Africa and elsewhere in the world. This is constrained with the warnings of the UN International Panel for Climate Change (IPCC), calculating more than hundreds million immigrants on the move due to conflicts caused by climate effects. It is assumable that a vast numbers of them will move from Africa to Europe for a better life.

The decreased governmental attention for development, mainly caused by covid-19 and other national issues, may affect in general the consciousness of potential donors and volunteers to get along with our project.

Therefore, an appropriate communication and PR strategy in both countries (The Netherlands and the Gambia) are needed to support and encourage this cooperation project, its staff, loan providers and volunteers.

There is a saying in Dutch: Not known is not beloved. So, the communication and PR strategy should focus on the benefits of the project in both countries to a wider audience than only the involved people. It will make the project less vulnerable for negative unexpected drawbacks and encourage a sound basis carried by a wide public audience.

7. Time Planning

This is a tentative planning. We took the rainy season in consideration (June – October)

		2023								2024								
Activities	Month	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7
Preparing leaflets		█																
Student recruitment			█	█	█	█	█											
Cooperation Agreements involved organizations			█	█	█	█	█	█										
Prepare next student missions to Gambia						█	█	█	█	█	█							
Execute the leaflet-based plans											█	█	█	█	█			
2024/2025 annual planning														█				

This cycle will be continued after 2024 up to 2026

1. Attachment: Leaflets

We prepared the following leaflets to recruit students and (other education) institutes and cooperating sponsors and experts in the following fields. The leaflets will have cross connections among each other.

1.1 Adventurous internship in Africa: Carpentry

We are looking for students who have a passion for making wooden constructions. A carpenter in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.1.1 To prepare

We want you to form a team with a few fellow students and a teacher. In the Netherlands, this team prepares for wood construction issues that are current in Africa:

1. How do I use locally available wood as a building and construction material?
2. Which types of wood are suitable for this?
3. This in combination with other locally available building materials such as loam and reed straw?
4. What connection techniques do you use?
5. Which wood preservation techniques are suitable and how do you maintain them?
6. What should I bring from the Netherlands to put the acquired knowledge into practice?
7. When answering these questions, take into account the special circumstances in Africa with a rainy season with huge downpours every day and very strong solar radiation (UV!). But insect damage from termites, for example, can also be a problem
8. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
9. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.1.2 To implement in Africa

In The Gambia you will spend about 5 weeks at the Bymyra Vocational Campus in Kungkujang, putting your acquired knowledge into practice by building a wooden frame for a house together with local people. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.1.3 Curriculum

Towards the end of your internship, we want to know from you what knowledge and experience African young people in particular need to have to follow vocational

education in the field of timber construction construction after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.1.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024.

1.1.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.2 Adventurous internship in Africa: Plumbing

We are looking for students who have a passion for making domestic water installations and waterproofing roofs. A plumber in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.2.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for domestic water supply and the sustainable waterproofing of roofs, which are current in Africa:

1. What do local water installations look like around the house in Africa. For example: irrigation of small-scale horticulture, pumping up your own well water or connecting to the public water supply network. How do we keep the houses dry in the rainy season. Which rainwater barriers are recommended when building with local building materials such as loam and thatched roofs?
2. What improvements can be made, considering continuity of the water supply, hygiene, the need for hot and cold water and sustainable and public grid-independent energy use?
3. How do you size and install solar water heaters, considering the available water pressure and hot water requirement
4. What maintenance do the recommended installations require and is that realistic in an African situation?
5. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
6. Optionally, you will participate in a GFA car trip from the Netherlands to The Gambia.

1.2.2 To implement in Africa

In The Gambia you will put your acquired knowledge into practice for about 5 weeks at the Bymyra Vocational Campus in Kungkujang by installing water installations in and around existing buildings and gardens together with local people. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and

excursions, in which you will get to know and hopefully embrace the African way of living.

1.2.3 Curriculum

Towards the end of your internship, we want to know what knowledge and experience you have of African young people, in particular need to have to follow vocational training in the field of plumbing after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.2.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024

1.2.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.3 Adventurous internship in Africa: Solar Power Installations

We are looking for students who have a passion for dimensioning and installing solar power installations and other electric installations. An electrician in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.3.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for solar power installations, which are current in Africa:

1. How is the current electricity supply in Africa if it exists at all?
2. What improvements can be made using solar PV, converters, batteries and battery management systems?
3. How do you dimension those systems and what maintenance is required to keep the systems functioning properly for a long time?
4. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.3.2 To implement in Africa

In The Gambia, you will put your acquired knowledge into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by installing a solar power installation for a compound in the area together with local people. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.3.3 Curriculum

By the end of your internship, we would like to know from you what knowledge and experience African young people especially need to follow vocational education after secondary education in the field of designing and installing solar power installations. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.3.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024

1.3.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.4 Adventurous internship in Africa: Mechatronics

We are looking for students who have a passion for optimizing industrial machines and processes. A maintenance mechanic or head of TD in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.4.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for the current situation in African production processes, which are current in Africa:

1. What is the status of production processes, maintenance and parts availability in Africa?
2. What improvements can be made, using the current machinery and its state of repair?
3. How do you develop process optimization and downtime reduction?
4. Which Dutch companies or knowledge institutions will help you with this preparation?
Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.4.2 To implement in Africa

In The Gambia, you will put your acquired knowledge into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by optimizing a production process in a bottled water factory together with local people. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.4.3 Curriculum

Towards the end of your internship, we want to know from you what knowledge and experience African young people in particular need to have to follow vocational education in

the field of mechatronics after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.4.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024. Possibly postponed to 2024/2025.

1.4.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.5 Adventurous internship in Africa: Automotive engineering

We are looking for students who have a passion for improving services in the field of automotive technology. A car mechanic in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.5.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for the current situation in African society in the field of car maintenance, which is current in Africa:

1. What is the car service status and parts availability in Africa?
2. What improvements can be made, using the current service level with regard to the renewal and maintenance of car tires?
3. How could they in Africa deal with the excess of car tires that are dumped on the African market from Western Europe?
4. Can they be reused by renewing them with a new tread?
5. If that is not the case, can the old car tires be shredded into new usable raw materials or otherwise processed in an environmentally responsible manner?
6. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
7. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.5.2 To implement in Africa

In The Gambia you will put your acquired knowledge into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by setting up a tire service with machines for changing and aligning tires together with local people. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.5.3 Curriculum

Towards the end of your internship, we would like to know from you what knowledge and experience African young people in particular need to have in order to follow vocational education in the field of automotive engineering after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.5.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024. Possibly postponed to 2024/2025.

1.5.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.6 Adventurous internship in Africa: Building

We are looking for students who have a passion for improving services in the field of construction. An architect/contractor in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.6.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for the current situation in African society in the field of construction, which is current in Africa:

1. How is construction going on in Africa right now?
2. What improvements can be made, taking into account the current costs and availability of building materials?
3. How could locally available and biobased building materials be better used, such as loam and straw, which were traditionally part of the African building culture?
4. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.6.2 To implement in Africa

In The Gambia you will put the knowledge you have acquired into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by building a house with local building materials together with local people. You can also use the wood construction supplied by the Dutch carpenters in a parallel internship. See Leaflet 1. You will encounter all kinds of practical problems, which are very instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.6.3 Curriculum

Towards the end of your internship, we want to know from you what knowledge and experience African young people in particular need to have to follow vocational education in the field of construction after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.6.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024. Possibly postponed to 2024/2025.

1.6.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.7 Adventurous internship in Africa: Horticulture

We are looking for students who have a passion for improving cultivation techniques for vegetables in the open ground. A horticulturist in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.7.1 To prepare

We want you to form a team with a few fellow students and a teacher. In the Netherlands, this team is preparing for the current situation in Africa in the field of outdoor vegetable cultivation:

1. How are vegetables grown in Africa today?
2. What improvements can be made, considering the current small scale and market mechanisms?
3. How can the organic cultivation methods lead to better quality and efficiency and make use of the available water and electricity?
4. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.7.2 To implement in Africa

In The Gambia, you will put your acquired knowledge into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by improving the current cultivation techniques on the campus together with local people. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.7.3 Curriculum

Towards the end of your internship, we want to know from you what knowledge and experience African young people in particular need to have to follow vocational education in

the field of horticulture after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.7.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024. Possibly postponed to 2024/2025.

1.7.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.8 Adventurous internship in Africa: Poultry farming

We are looking for students who have a passion for setting up and managing a chicken farm. A chicken farmer in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.8.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for the current situation in Africa in the field of laying hen farms:

1. How are laying hens bred and kept in Africa?
2. What improvements can be made, taking into account the local African market conditions and depending on the import of chicken feed and related products?
3. How can the organic and animal-friendly cultivation method lead to better quality and efficiency, making use of the available surface area, water, electricity and chicken feed?
4. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.8.2 To implement in Africa

In The Gambia, you will put your acquired knowledge into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by working with local people to improve the current laying chicken cultivation. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.8.3 Curriculum

Towards the end of your internship, we would like to know from you what knowledge and experience African young people in particular need to have in order to follow vocational education in the field of laying hen farming after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.8.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2023, implementation 1st quarter 2024.

1.8.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000

1.9 Adventurous internship in Africa: Clean Cooking

We are looking for students who have a passion for setting up a program in the field of clean cooking. A cook in heart and soul. You are in the last year of MBO-4 or HBO-4 and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.9.1 To prepare

We want you to form a team with a few fellow students and a teacher. This team is preparing in the Netherlands for the current situation in Africa in the field of clean cooking:

1. How are meals cooked in African families today?
2. What improvements can be made, considering the health of the cooks, the availability of fuel and possible renewable sources.
3. What conditions must be met for families to adopt new cooking methods?
4. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.9.2 To implement in Africa

In Gambia you will put into practice the knowledge you have acquired for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by setting up a clean cooking program together with local people and providing demonstration and information material. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.9.3 Curriculum

By the end of your internship, we would like to know from you what knowledge and experience African young people especially need to follow vocational education in the field of clean cooking after their secondary education. We want to use this input to further shape vocational education in Africa and to train local teachers.

1.9.4 Schedule

In consultation. Indication: Preparation Q2 2024, implementation Q1 2025. Implementation of the program to be developed in 2025/2026

1.9.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000 (costs level 2023).

1.10 Adventurous internship in Africa: Development of Educational Programs

We are looking for students who have a passion for setting up vocational education programs. A vocational teacher in heart and soul. You are in the last year of HBO-4 Education and you still have to do an internship/graduation. In that case we offer a unique internship opportunity/graduation assignment in Africa.

1.10.1 To prepare

We want you to form a team with a few fellow students and a teacher. In the Netherlands, this team is preparing for the current situation in Africa in the field of vocational education programs

1. What do the current vocational education programs look like in Africa?
2. What improvements can be made, considering the input from previous projects
3. How can these be translated into realistic VET curricula, considering the starting level of future VET teachers in Africa?
4. Which Dutch companies or knowledge institutions will help you with this preparation? Who would like to sponsor you with money and materials?
5. You may participate in a GFA car trip from the Netherlands to The Gambia.

1.10.2 To implement in Africa

In The Gambia you will put your acquired knowledge into practice for about 5 weeks in collaboration with the Bymyra Vocational Campus in Kungkujang by setting up an education program together with local people and providing demonstration and information material. You will test the methods together with local experts on a group of pilot teachers. You will encounter all kinds of practical problems, which are particularly instructive, challenge you to improvise and, above all, enjoy solving them together. In addition to the project implementation, you will have ample opportunity to participate in joint sporting and cultural activities and excursions, in which you will get to know and hopefully embrace the African way of living.

1.10.3 Curriculum

By the end of your internship, we would like to receive the thus developed and tested educational programs from you to train teachers later.

1.10.4 Schedule

In consultation. Indication: Preparation 2nd quarter 2025, Development of 9 educational programs (based on the curriculum output of the first 9 leaflets): 1st quarter 2026.

1.10.5 Costs

Per student: Fly alone and stay in The Gambia: approx. € 2,000 or in collaboration with GFA including car (2 students per car) and car tour approx. € 5,000 (costs level 2023).

If no suitable trainees can be found for this leaflet, we will consider placing this assignment with PUM

1.11 Vocational Education Teacher training

We do not have an internship leaflet for this part. We think that this project should be entrusted to various PUM experts.

Attachment 2 / Bijlage 2: Leaflets voor studenten

1. Avontuurlijke stage in Afrika: Timmeren

Wij zoeken studenten die een passie hebben voor het maken van houten constructies. Een timmerman in hart en nieren. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

1.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op hout-constructievraagstukken, die in Afrika actueel zijn:

1. Hoe zet ik lokaal beschikbaar hout in als bouw- en constructie materiaal?
2. Welke houtsoorten zijn daarvoor geschikt?
3. Dit in combinatie andere lokaal beschikbare bouwmaterialen zoals leem en riet?
4. Welke verbindingstechnieken pas je toe?
5. Welke houtconserveringstechnieken komen in aanmerking en hoe onderhoud je die?
6. Wat moet ik meenemen uit Nederland om de opgedane kennis in de praktijk te brengen?
7. Hou bij deze vragen rekening met de bijzondere omstandigheden in Afrika met een regenseizoen met dagelijks enorme hoosbuien en daarbuiten zeer sterke zonnestraling (UV!). Maar ook insectenvraat van bijvoorbeeld termieten kan een probleem vormen
8. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
9. Eventueel neem je deel aan een autotocht van GFA³ van Nederland naar Gambia.

1.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken op de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een houtskelet te bouwen voor een huis. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

1.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied van houtconstructiebouw. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

³ GFA, de stichting Go for Africa, organiseert avontuurlijke autotochten van Nederland naar Afrika onder begeleiding van ervaren vrijwilligers. Doel is dat jezelf met enkele medestudenten een auto aanschaft en laat sponsoren, die je dan aan het einde van je verblijf schenkt aan de lokale organisatie, waarvoor je gewerkt hebt.

1.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024

1.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

2. Avontuurlijke stage in Afrika: Loodgieten

Wij zoeken studenten die een passie hebben voor het maken van huishoudelijke waterinstallaties en het waterdicht maken van daken. Een loodgieter in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

2.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op huishoudelijke watervoorziening en het duurzaam waterdicht maken van daken, die in Afrika actueel zijn:

1. Hoe zien lokale waterinstallaties er uit in het rond het huis in Afrika. Bijvoorbeeld: irrigatie van kleinschalige tuinbouw, het oppompen van eigen bronwater of het aansluiten op het publieke waterleidingnet. Hoe houden we de huizen droog in de regentijd. Welke regenwaterkeringen zijn aan te bevelen als gebouwd wordt met lokale bouwmaterialen zoals leem en rieten daken?
2. Welke verbeteringen zijn daarin aan te brengen, rekening houdend met continuïteit van de watervoorziening, hygiëne, de behoefte aan warm en koud water en duurzaam en publiek netonafhankelijk energiegebruik?
3. Hoe dimensioneer- en installeer je zonneboilers, rekening houdend met de aanwezig waterdruk, en warmwaterbehoefte;
4. Welk onderhoud vragen de aanbevolen installaties en is dat realistisch in een Afrikaanse situatie?
5. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
6. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

2.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken op de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen water installaties aan te brengen in en rond bestaande gebouwen en tuinen. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

1.1. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied het vak loodgieten. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

1.2. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024

1.3. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

3. Avontuurlijke stage in Afrika: Zonnestroom-installaties

Wij zoeken studenten die een passie hebben voor het dimensioneren en aanleggen van zonnestroominstallaties. Een elektricien in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

3.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op zonnestroominstallaties, die in Afrika actueel zijn:

1. Hoe is de huidige elektriciteitsvoorziening in Afrika als die al aanwezig is?
2. Welke verbeteringen zijn daarin aan te brengen, gebruikmakend van zon PV, converters, batterijen en batterij managementsystemen?
3. Hoe dimensioneer je die systemen en welk onderhoud is nodig om de systemen lange tijd goed te laten functioneren?
4. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
5. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

3.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een zonnestroominstallatie aan te leggen voor een compound in de buurt. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

3.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied het vak ontwerpen en aanleggen van zonnestroominstallaties. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

3.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024

3.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

4. Avontuurlijke stage in Afrika: Mechatronica

Wij zoeken studenten die een passie hebben voor het optimaliseren van industriële machines en processen. Een onderhoudsmonteur of hoofd TD in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

4.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrikaanse productieprocessen, die in Afrika actueel zijn:

1. Wat is de status van productieprocessen, onderhoud en beschikbaarheid van onderdelen in Afrika?
2. Welke verbeteringen zijn daarin aan te brengen, gebruikmakend van het huidige machinepark en de staat van onderhoud daarvan?
3. Hoe ontwikkel je procesoptimalisatie en vermindering van uitval?
4. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
5. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

4.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een productieproces in een flessen-waterfabriek te optimaliseren. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

4.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied het vak mechatronica. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

4.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024. Eventueel uit te stellen naar 2024/2025.

4.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

5. Avontuurlijke stage in Afrika: Autotechniek

Wij zoeken studenten die een passie hebben voor het verbeteren van dienstverlening op het terrein van autotechniek. Een automonteur in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

5.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrikaanse samenleving op het terrein van auto-onderhoud, die in Afrika actueel is:

1. Wat is de status auto-onderhoud en beschikbaarheid van onderdelen in Afrika?
2. Welke verbeteringen zijn daarin aan te brengen, gebruikmakend van het huidige service niveau met betrekking tot het vernieuwen en onderhouden van autobanden?
3. Hoe zouden ze in Afrika om kunnen gaan met de overmaat aan autobanden, die op de Afrikaanse markt gedumpt worden vanuit West Europa?
4. Kunnen deze worden hergebruikt door deze te vernieuwen met een nieuw loopvlak?
5. Als dat niet het geval is, kunnen de oude autobanden zodanig worden geshredderd tot nieuwe bruikbare grondstoffen of anderszins milieuverantwoord worden verwerkt?
6. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
7. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

5.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een bandenservice op te zetten met machines voor banden wisselen en uitlijnen. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te

improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

5.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied het vak autotechniek. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

5.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024. Eventueel uit te stellen naar 2024/2025.

5.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

6. Avontuurlijke stage in Afrika: Bouwen

Wij zoeken studenten die een passie hebben voor het verbeteren van dienstverlening op het terrein van bouwen. Een architect/aannemer in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

6.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrikaanse samenleving op het terrein van bouwen, die in Afrika actueel is:

1. Hoe wordt er nu in Afrika gebouwd?
2. Welke verbeteringen zijn daarin aan te brengen, rekening houdend met de huidige kosten en beschikbaarheid van bouwmaterialen?
3. Hoe zouden lokaal beschikbare en biobased bouwmaterialen beter benut kunnen worden, zoals leem en stro, die traditioneel tot de Afrikaanse bouwcultuur behoorden?
4. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
5. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

6.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een huis te bouwen met lokaal aanwezige bouwmaterialen. Daarbij kun je tevens gebruik

maken van de houtconstructie aangeleverd door de Nederlandse timmerlieden in een parallelle stage. Zie Leaflet 0. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

6.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied bouwen. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

6.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024. Eventueel uit te stellen naar 2024/2025.

6.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

7. Avontuurlijke stage in Afrika: Tuinbouw

Wij zoeken studenten die een passie hebben voor het verbeteren van teelttechnieken van groenten in de volle grond. Een tuinbouwer in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

7.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrika op het terrein van groenteteelt in de volle grond:

6. Hoe worden er nu in Afrika groenten geteeld?
7. Welke verbeteringen zijn daarin aan te brengen, rekening houdend met de huidige kleinschaligheid en marktmechanismen?
8. Hoe kunnen de teeltmethoden op biologische wijze leiden tot betere kwaliteit en efficiency en gebruikmakend van het beschikbare water en elektriciteit?
9. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
10. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

7.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen de huidige teelttechnieken op de campus te verbeteren. Daarbij zul je tegen allerlei

praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

7.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied tuinbouw. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

7.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024. Eventueel uit te stellen naar 2024/2025.

7.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

8. Avontuurlijke stage in Afrika: Pluimveeteelt

Wij zoeken studenten die een passie hebben voor het opzetten en managen van een kippenboerderij. Een kippenboer in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

8.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrika op het terrein van legkippenbedrijven:

1. Hoe worden er nu in Afrika legkippen geteeld en gehouden?
2. Welke verbeteringen zijn daarin aan te brengen, rekening houdend met de Afrikaanse lokale marktomstandigheden en afhankelijk van import van kippenvoer en gerelateerde producten?
3. Hoe kan de teeltmethode op biologische en diervriendelijke wijze leiden tot betere kwaliteit en efficiency en gebruikmakend van de beschikbare oppervlakte, water, elektriciteit en kippenvoer?
4. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
5. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

8.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen de huidige leg kippenteelt te verbeteren. Daarbij zul je tegen allerlei praktische problemen

aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

8.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied legkippenvee. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

8.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2023, uitvoering 1^e kwartaal 2024.

8.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000

9. Avontuurlijke stage in Afrika: Schoon koken

Wij zoeken studenten die een passie hebben voor het opzetten van een programma op het terrein van schoon koken. Een kok in hart en nieren dus. Je zit in het laatste jaar van MBO-4 of HBO-4 en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

9.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrika op het terrein van schoon koken:

1. Hoe worden thans maaltijden gekookt in Afrikaanse gezinnen?
2. Welke verbeteringen zijn daarin aan te brengen, rekening houdend met de gezondheid van de koks, de beschikbaarheid van brandstof en eventuele hernieuwbare bronnen;
3. Aan welke voorwaarden moet voldaan worden om gezinnen aan nieuwe kookmethoden te krijgen?
4. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
5. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

9.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een schoon koken programma op te zetten en te voorzien van demonstratie en informatie materiaal. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder

leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

9.3. Curriculum

Tegen het einde van je stage willen wij van je weten welke kennis en ervaring Afrikaanse jongeren vooral moeten hebben om na hun voortgezet onderwijs beroepsonderwijs te volgen op het gebied van schoon koken. Deze input willen wij gebruiken om het beroepsonderwijs in Afrika nader vorm te geven en om lokale docenten op te leiden.

9.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2024, uitvoering 1^e kwartaal 2025. Uitvoeren van het te ontwikkelen programma in 2025/2026

9.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000 (kosten niveau 2023).

10. Avontuurlijke stage in Afrika: Ontwikkelen van onderwijsprogramma's

Wij zoeken studenten die een passie hebben voor het opzetten van onderwijsprogramma's voor beroepsonderwijs. Een beroepsonderwijsdocent in hart en nieren dus. Je zit in het laatste jaar van HBO-4 onderwijskunde en je moet nog stage lopen/afstuderen. Wij bieden in dat geval een unieke stagekans/afstudeeropdracht in Afrika.

10.1. Voorbereiden

Wij willen dat je een team vormt met enkele medestudenten en een docent. Dit team bereid zich in Nederland voor op de huidige situatie in Afrika op het terrein van onderwijsprogramma's voor beroepsonderwijs

1. Hoe zien de huidige onderwijsprogramma's eruit op het terrein van beroepsonderwijs in Afrika?
2. Welke verbeteringen zijn daarin aan te brengen, rekening houdend met de input uit de vorige projecten
3. Hoe zijn deze te vertalen in realistische onderwijsprogramma's voor beroepsonderwijs, rekening houdend met het beginniveau van toekomstige docenten beroepsonderwijs in Afrika?
4. Welke Nederlandse bedrijven of kennisinstellingen gaan je helpen bij deze voorbereiding? Wie willen je sponsoren met geld en materialen?
5. Eventueel neem je deel aan een autotocht van GFA van Nederland naar Gambia.

10.2. Uitvoeren

In Gambia ga je gedurende ca 5 weken in samenwerking met de Bymyra Vocational Campus in Kungkujang, je opgedane kennis in de praktijk brengen door samen met lokale mensen een onderwijsprogramma opzetten en te voorzien van demonstratie en informatie materiaal. Je gaat de methodes samen met lokale deskundigen uittesten op een groep pilot docenten. Daarbij zul je tegen allerlei praktische problemen aanlopen, die bijzonder leerzaam zijn, je uitdagen te improviseren en vooral het plezier te beleven aan het samen oplossen. Naast de projectuitvoering krijg je volop gelegenheid deel te nemen aan gezamenlijke sportieve en culturele activiteiten en excursies, waarin je de Afrikaanse way of living leert kennen en hopelijk gaat omarmen.

10.3. Input voor docenten training

Tegen het einde van je stage willen wij de aldus ontwikkelde en uitgeteste onderwijsprogramma's van je ontvangen om er later docenten mee te trainen.

10.4. Planning

In overleg. Indicatie: Voorbereiding 2^e kwartaal 2025, Ontwikkelen van 9 onderwijsprogramma's (obv van de curriculum output van de eerste 9 leaflets): 1^e kwartaal 2026.

10.5. Kosten

Per student: Alleen vliegen en verblijf in Gambia: ca € 2.000 of in samenwerking met GFA inclusief auto (2 studenten per auto) en autotour ca € 5.000 (kosten niveau 2023).

Mochten er geen geschikte stagiaires te vinden zijn voor deze leaflet dan overwegen wij om deze opdracht onder te brengen bij PUM⁴

11. Docententraining beroepsonderwijs Afrika

Voor dit onderdeel hebben wij geen stage leaflet. Wij denken dat dit project moet worden opgedragen aan diverse experts van PUM.

⁴ PUM staat voor Programma Uitzending Managers, een door de overheid gesubsidieerd netwerk van vrijwillige experts, die zich laten uitzenden naar ontwikkelingslanden