EMERGENCY ACTION PLAN vs. COVID-19

April 2020

Limbe Wildlife Centre: REQUEST FOR EMERGENCY SUPPORT TO RESPOND TO THE THREAT OF THE COVID-19 PANDEMIC

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Published in April 2020
Limbe Wildlife Centre, P.O. Box 878, Limbe, Republic of Cameroon

Limbe Wildlife Centre is a collaborative effort between the Pandrillus Foundation and the Republic of Cameroon, Ministry of Forestry and Wildlife, MINFOF

Pandrillus Foundation is a non-profit making NGO specialized in the protection, rehabilitation and reintroduction of primates, as well as management and sustainable financing of conservation projects in Africa

Ministry of Forestry and Wildlife is in charge of implementing the national forest policy for ensuring sustainable management and conservation of wildlife and biodiversity over the national territory as enacted by forestry law No. 01/94 of 20 March which regulates all forestry, wildlife and fisheries activities

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limbewildlifecentre  limbewildlife

ALL OUR REPORTS ARE AVAILABLE
The LWC has been closed to visitors to limit the risk of spreading the Covid-19 and protect both our staff members and animals.

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Who we are

- LWC is run in partnership between the non-profit organisation Pandrillus and the Government of Cameroon, located in the city of Limbe, in South-West region
- The Limbe Wildlife Centre is a founding and accredited member of the Pan African Sanctuary Alliance (https://pasa.org), and the only recipient of a Clark R. Bavin Wildlife Law Enforcement Award Winner (2019)
- Our team (40 in total) is made of local and international wildlife ecologists and veterinarians, and a highly experienced and qualified local animal care staff
- 455 animals in rehabilitation, including 250 endangered African grey parrots, 43 chimpanzees, 15 gorillas and 75 drills
- Almost 200 African grey parrots in the new rehabilitation aviary are ready to enter the soft release programme
In December 2018, the Limbe Wildlife Centre has had its accreditation with the Pan African Sanctuary Alliance (PASA) renewed for another five years. PASA is the largest association of wildlife centres and sanctuaries in Africa, founded by the Limbe Wildlife Centre, along with 6 other primate sanctuaries. Today, PASA includes 23 organizations in 13 countries which demonstrate exceptional commitment and the highest standards of animal welfare and conservation practices, to securing a future for Africa’s primates and their habitat.

In April 2018, the Limbe Wildlife Centre was voted Best Volunteer Abroad Project and chosen to feature in the Tutorful’s Wildlife Conservation editorial along with other prestigious organisations making a notable difference in wildlife conservation worldwide. The LWC gives people the chance to volunteer and assist experienced caregivers with the daily caregiving activities, offering the opportunity for volunteers to the experience of making a meaningful contribution to primate conservation (and all the satisfaction this provides).

In August 2019, the Limbe Wildlife Centre received a 2019 Clark R. Bavin Wildlife Law Enforcement Award at the Conference of the Parties of the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) in Geneva, Switzerland, in recognition of the remarkable efforts the LWC has made to help combat wildlife crime.
Summary

With the Covid-19 pandemic raging around the world and in Cameroon, we are currently facing the greatest threat ever encountered. Since primates are genetically close to humans, especially our 15 gorillas and 43 chimpanzees, it is very likely that infection with the new coronavirus SARS-CoV-2 will be fatal.

To safeguard our 40 staff members and 455 animals, Pandrillus, who assists the Ministry of Forestry and Wildlife in the management and financing of the Limbe Wildlife Centre, is setting up an Emergency Action Plan to respond to the threat of the Covid-19 pandemic. This involves 5 actions and 24 measures to achieve 12 objectives, with a total budget of $205,305 required for the next 9 months. However, because our incomes have dramatically dropped as a result of the glocal economical crisis, Pandrillus has only 37% of this amount secured. We need to raise the $128,400 remaining funds in the coming months.

Our goal is to face the pandemic and its consequences on health, economy, social and human wellbeing, while still pursuing our conservation efforts to the best of our ability, continuing to share success stories with the local and international community:

### Action 1. PROTECTION & BIOSECURITY

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<thead>
<tr>
<th>Action</th>
<th>Description</th>
<th>Budget</th>
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</thead>
<tbody>
<tr>
<td>1/</td>
<td>To UPGRADE all sanitary protocols</td>
<td>$8,565</td>
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<tr>
<td>2/</td>
<td>To LIMIT movement in public transport and public places</td>
<td>$7,090</td>
</tr>
<tr>
<td>3/</td>
<td>To STRENGTHEN the immunity and body condition of the animals</td>
<td>$17,060</td>
</tr>
<tr>
<td>4/</td>
<td>To SAFEGUARD the individual with respiratory symptoms</td>
<td>$5,270</td>
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Total: $37,985

### Action 2. SECURING ANIMAL CARE STANDARDS

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<td>5/</td>
<td>To MAINTAIN daily operations and animal care standards</td>
<td>$20,795</td>
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<tr>
<td>6/</td>
<td>To SECURE essential maintenance of animal infrastructures</td>
<td>$9,820</td>
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<td>7/</td>
<td>To SUPPORT our 40 staff members</td>
<td>$66,910</td>
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Total: $97,525

### Action 3. SUPPORTING COMMUNITIES

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<tr>
<td>8/</td>
<td>To SUSTAIN our support to the local community</td>
<td>$20,540</td>
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Total: $20,540

### Action 4. CONSERVATION & REHABILITATION

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<td>9/</td>
<td>To ESTABLISH the pilot soft release programme for the African grey parrots</td>
<td>$9,475</td>
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<tr>
<td>10/</td>
<td>To MONITOR the African grey parrots after release</td>
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Total: $32,735

### Action 5. EDUCATION & INSPIRATION

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</thead>
<tbody>
<tr>
<td>11/</td>
<td>To INFORM &amp; EDUCATE the local community</td>
<td>$9,620</td>
</tr>
<tr>
<td>12/</td>
<td>To PROMOTE Art-4-Nature</td>
<td>$6,910</td>
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Total: $16,530

TOTAL: $205,305
Background

The Limbe Wildlife Centre is a conservation education centre in Limbe, South-West Cameroon.

For all elements of our work, we collaborate with state and national government, communities, and other international and local NGOs to protect habitats and endangered species and providing a place for wildlife seized from the illegal wildlife trade.

Our activities include rescue, rehabilitation and reintroduction of wildlife, conservation education and advocacy, support to law enforcement, creating alternative livelihoods to hunting, and research. Through a holistic approach, the LWC aims to ensure the survival of Cameroon’s unique flora and fauna.

In this unprecedented catastrophic situation that is the COVID-19 pandemic, we face the greatest threat ever encountered. The failures of the Cameroonian state over the last 20-30 years, the 31/2-year civil conflict in the English-speaking regions where Limbe is
located, and the weaknesses of the health and education systems have created a perfect storm for impossibly difficult living conditions during this crisis. **Food and transport costs** have increased while mitigation measures are lacking, the population is ill-informed, cases of infection are escalating and **tensions** are growing. In this context, our work goes beyond the conservation of wildlife.

In early March, I alerted the Conservator of the importance of taking strict precautionary measures. We decided to close the LWC until further notice to protect our **40 staff members and 455 animals** and to **suspend all education activities with children**. Pandrillus, who assists MINFOF in the management and financing of the Limbe Wildlife Centre, immediately released funds to **strengthen health and safety protocols**. Other **precautionary measures** were subsequently taken: handwashing stations and hygiene protocols have been reinforced, waste management is now done entirely internally to reduce pollution, face masks were produced, and collaboration between services to monitor every single of the animals was upgraded.

Pandrillus also suspended the foreign volunteer program, which will represent a **net loss of $22,000** and will adversely affect our **workforce**. Unfortunately, the result is that our **revenues are dropping**. So far, we have a **$100,000 budget deficit**, which represents **60% of our annual running costs** and **twice our reserve of funds**. Our sponsors are freezing their donations, adding to the strains placed by the diminishing support from the government over several years. Each month we deplore a lack of protein-rich food, which risks the health of our chimpanzees, gorillas and drills. Pandrillus is also solely responsible for the care of the **379 African grey parrots** confiscated at the end of 2019 by the authorities and entrusted to the care of the Limbe Wildlife Centre.

**We need to ensure the health and safety of our 455 animals and 40 staff**

In reality, we must **fill the gaps** that have been left by decades of **poor governance**.
and corruption, and the inadequacy and lack of emergency response provided by the Government of Cameroon, particularly the Ministry of Forestry and Wildlife.

The most important concern right now, however, is that our team is prepared to face the epidemic in Cameroon. This involves retraining in hygiene protocol, which will not only benefit the LWC but also our staff and their families. As the LWC is in town, we are likely more at risk than many other places. This risk extends especially to our cherished 15 gorillas and 43 chimpanzees. We will need your help more than ever.

It is essential to get funding quickly to ensure the health and safety of our animals and staff, but also families and our partner communities.

Our Emergency Action Plan: 24 measures for 12 objectives; $205,305 budget, only 37% secured; $128,400 required for 2020

With the Covid-19 pandemic raging around the world and in Cameroon, we are currently facing the greatest threat ever encountered. Since primates are genetically close to humans, especially our 15 gorillas and 43 chimpanzees, it is very likely that infection with the new coronavirus SARS-CoV-2 will be fatal.

To safeguard our 40 staff members and 455 animals, Pandrillus is setting up a 24-measure Emergency Action Plan, through 5 Actions aimed at achieving 12 objectives with a total budget of $205,305 required for the next 9 months. Pandrillus secured 37% of this amount. We need to raise the $128,400 remaining funds in the coming months. The goal of our Emergency Action Plan is not just to ensure our survival, but to keep our conservation efforts going - the illegal wildlife trade continues unabated.

On behalf of our staff and animals, I thank you for considering to support the Limbe Wildlife Centre,

With very best wishes,

Limbe, 17 April 2020

Guillaume LE FLOHIC
Country Director, Pandrillus Foundation
Our challenges in the face of the pandemic

- As the Limbe Wildlife Centre is in town, it is at higher risk of contamination by the coronavirus SARS-CoV-2
- Human population has been fragilized and rendered more vulnerable by 3½ years of civil conflict
- Local and national governance is very poor and corruption is widespread
- Preparedness to face the pandemic is poor and mitigation measures by the Government of Cameroon, incl. to support the Limbe Wildlife Centre, are lacking
- Implementation of strict lockdown in the LWC is not possible
- Revenues generated through abroad volunteer programme ($22K per year), gate takings ($25K) and gift shop ($3K) have stopped since March 2020, while costs have increased (+40% on rice)
- A number of donors, themselves relying on profits to donate, especially zoos, have frozen their support ($55K)

Mbogou, juvenile male endangered Drill was confiscated by the authorities and rescued by the LWC. Despite a pellet in the left tigt, he was strong and healthy.
Our strengths and capacities

- Our 40 staff members, some of whom have over 30 years of service, are very dedicated and used to working in difficult conditions.

- With over 27 years of working experience in Cameroon, Pandrillus has a long-experience successfully managing the Limbe Wildlife Centre despite successive crisis.

- Although poor governance remains an issue, the Government of Cameroon does participate each year to 40% of the total budget, therefore providing a level of sustainability to the project.

- To increase our preparedness and our reactivity to the disease we have formed a special team of dedicated volunteers whose skills cover marketing, fundraising and communication.
The 12 objectives of our Emergency Action Plan

GOAL 1. TO FACE THE PANDEMIC & ITS CONSEQUENCES ON HEALTH, ECONOMY, SOCIAL AND HUMAN WELLBEING

1. UPGRADE all sanitary protocols
2. LIMIT movement in public transport and public places
3. STRENGTHEN the immunity and body condition of the 455 animals
4. SAFEGUARD the individual with respiratory symptoms
5. MAINTAIN daily operations and animal care standards
6. SECURE essential maintenance of animal infrastructures
7. SUPPORT our 40 staff members during quarantine and sickness
8. SUSTAIN our support to the local communities (+500 members)

GOAL 2. TO PURSUE CONSERVATION EFFORTS & SHARE SUCCESS STORIES

9. ESTABLISH the soft release programme for the African grey parrots
10. IMPLEMENT the African grey parrots post-release monitoring
11. KEEP informing & educating the local community
12. PROMOTE Art-4-Nature: Cameroonian talent’s inspirational journey
The 5 actions of our Emergency Action Plan

GOAL 1. TO FACE THE PANDEMIC & ITS CONSEQUENCES ON HEALTH, ECONOMY, SOCIAL AND HUMAN WELLBEING

Action 1. PROTECTION & BIOSECURITY
Action 2. SECURING ANIMAL CARE STANDARDS
Action 3. SUPPORTING COMMUNITIES

GOAL 2. TO PURSUE CONSERVATION EFFORTS & SHARE SUCCESS STORIES

Action 4. CONSERVATION & REHABILITATION
Action 5. EDUCATION & INSPIRATION
ACTION 1. PROTECTION AND BIOSECURITY (Total: €37,985; 19%)
The additional costs required for the upgrading of our hygiene protocols and additional supplies needed to protect staff and animals from introducing and spreading the new coronavirus SARS-CoV-2 is $2,290 for the next 9 months, until the end of December 2020.
We also urgently need to limit the movements of our staff and family members in public transport and public places. Our staff usually use public transport to come to work. Their family members usually go to the market every market-day to gather basic food supplies such as rice, cassava flour, sugar, milk, oil, salt etc. We would like to propose an alternative arrangement. Specifically, to organise staff collection at certain points in Limbe, and providing logistical support to the families by purchasing large amounts of basic food products to be redistributed from the centre to the staff members. Each staff’s expenses will be deducted from their salary. We already have a pickup vehicle that can collect part of the staff on the main roads, but motorbikes (which can more easily circulate in Limbe’s quarters) will drastically reduce time and guarantee all necessary staff arrive on time at work. It is also the easiest and cheapest way to collect a member of the vet team in case of an emergency. Therefore, we would like to buy and use two motorbikes, use the pickup vehicle to collect and drop staff, and pay a driver to do so, for a total of $7,090.
As regards animals, we need to support their immune systems, ensuring their functioning at the maximum level. The staple food is theoretically covered by the Government of Cameroon. Unfortunately, for several years, government support has diminished, as well as a diminishing level of involvement from the representative of the Ministry of Forestry. The lack of protein and energy-dense food, in particular, is often a concern. The immune system is the first thing to suffer and become compromised from nutritional insufficiency, so we need to maximise the quality of our diet (richness and diversity of food items) and ensure food stability. Some of the food items and other nutritional supplements provided by our vet department are rice and beans, soya cake, multivitamins, probiotics, minerals, cod liver oil and medicinal plants (e.g. moringa, hibiscus, ginger). A stronger immune system in our animals will help protect against clinical symptoms of the disease and speed up the clearing of the virus, and in case of an outbreak will allow us to focus our specialist care on any high-risk animals requiring isolation in our newly renovated medical complex. We need $17,060.
In the worst-case scenario, we will need to provide supplemental oxygen either by a cage or flow-by depending on species and size, treat with antibiotics for secondary bacterial infections and provide fluid support for animals with reduced intake, either subcutaneously or if possible intravenously. To achieve
this, we need sedative drugs for the transfer of animals (zoletil will be used as it is safe in cases of respiratory depression), oxygen, broad-spectrum antibiotics, fluids, drip lines. Although it is difficult to predict how much will be needed, we budgeted $5,275 towards the **safeguarding of our 58 great apes.**

Finally, we have transferred the **composting area** in the farmland of the Limbe Wildlife Centre. Before the pandemic, the solid organic waste from animals was treated externally by a company, which, unfortunately, was not specialized in treating such material. We recently built a new bridge over the second arm of the Limbe river that streams through the wildlife centre, to have access to the farmland from the inside. All organic waste produced by the animal sections is now intended to **produce high-quality manure** that can be used domestically to increase our **food self-sufficiency.** We already grow sugar cane, banana, maize, but also palm trees and a few other fruits trees, and will increase our production using eco-friendly practices. While we are currently using a traditional composting methodology consisting of 4-6 weeks process, we would like to improve our efficiency using **aerated static pile composting.** This methods requires more material and equipment, but render composting very efficient: because of better control of aeration and temperature, it more efficiently treats and **decontaminates** the waste. The composting process is also much **quicker** (1 week against 4-6 weeks for the traditional method) and does not require long storage before use (2 weeks is enough). It also reduces the workload and does not require to manually turn the composting mixture every week. Instead, the air is blown under the compost pile to provide enough oxygen for degradation by aerobic microorganisms, dry the compost pile and better control temperature and remove heat.

We will need to build 4-5 units of aerated static pile system of 9m$^3$ each (80m$^2$), buy a solar panel, pipes and fan, make an electrical system, build a concrete slab of 80m$^2$ for storing the compost, and a palm leaves shelter of 180m$^2$. The estimated cost for such activity is **$6,275**, consisting mostly of **investment costs.** It may change depending on the possibility to ship material in-country during the COVID-19 crisis. Later, we wish to test the compost for the presence of potential pathogens eg aspergillus, pseudomonas and will be able to certify it is pathogen-free before sharing it with the local community, enabling them to enrich their crop with a high-quality and non-toxic organic fertilizer.

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**Image 1.** Our dedicated head of quarantine Killi Matute Stephen caring for gorilla bobga, wearing masks and gloves for the protection of the animals and themselves.

**Images 2.** Chimpanzee health check: Pandrillus supports the veterinary department and provides expertise to the Ministry of Forestry and Wildlife, Government of Cameroon to manage captive population following the best international standards
### ACTION 2. SECURING ANIMAL CARE STANDARDS (Total: $97,525; 48%)

Each week, the Ministry of Forestry and Wildlife provides the staple food of the 200 primates for a cost of $785. Though, part of that amount is diverted. Pandrillus spends close to **$665 in food and enrichments** for our 455 animals, including 250 African grey parrots in rehabilitation. For the next 9 months, we will need to spend **$34,520 to cover dietary requirements and enrichment** to maintain animal welfare and strong group cohesion (see also Action 3). We have secured a little more than half this budget through institutional donors (New England Biolabs Foundation, Save the Drill). However, zoos, which represent the majority of our donors to this project, have frozen their grants. Furthermore, we need to maintain our **hygiene** and **veterinary procedures**, perform **much-needed maintenance** work on our night dens and enclosures and of course maintain the salaries of our staff. As the Limbe Wildlife Centre has always played a strong social role in mitigating the consequences of various crises involved in the 3.5 years of civil conflict in the South-West and North-West region. This conflict has caused a major ongoing humanitarian crisis (more than 3,000 deaths, 600,000 internally displaced people). We absolutely need to remain an island of peace and safety at work and sustain both our employees and their families. We have secured 56% of the **$65,500 needed to pay our staff**, to which we would add 2% more to cover 100 overtime days to replace staff who are sick or need to assist a family member.

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<td>Our veterinary team doing a procedure on Chimo, one of our 75 drills.</td>
<td>Foreign and local volunteers, and staff cleaning enclosure to keep them hygienic</td>
<td>Our construction team builds and maintains all our infrastructures. Here, the large aviary.</td>
<td>Every 3 months, we open access to a densely grassed strip to the Mandrills.</td>
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</tbody>
</table>
Victor Veseke dedicated his life to the care of rescued chimpanzees. Retired from public service, he is the field operation assistant manager, head of the chimpanzee section and a incredibly valuable mentor to the younger generation of caretakers.

Note: Photograph taken in 2019 before the implementation of the precautionary measures.
ACTION 3. SUPPORTING COMMUNITIES (Total: $20,540; 10%)

A large proportion of food is purchased in the Batoke community, neighbouring the Mount Cameroon National Park. This project was created to provide *alternative livelihoods to hunting and animal trading* by employing the local community to provide wild and domestic plants to our primates. Our community-based project for the sustainable management of natural resources aka “Green” project include two activities: 1/ Harvesting **wild herbaceous plant** sustainably as a way to sustainably feed the wildlife in rehabilitation and financially support the local community; 2. **Increasing land value** by purchasing crop by-products to women farmers as a way to reduce encroachment into the Mount Cameroon National Park. Last year, we purchased 18 tons of wild herbaceous plants sustainably harvested and 73 tons of fresh crop by-product leaves for a total of $19,000, thus directly supporting **123 community members**, of which a large majority of women (65%). Ultimately, these incomes encourage the villagers to reduce the pressure on the surrounding wildlife and allow them to enhance both education and health care to their children.

Community members also need our support during quarantine and sick leave: we would provide logistical support and food to the most **vulnerable people** for $2,730.

*Image 7a & b. The community working as part of our green project, collecting and harvesting plant materials to feed our animals, for a sustainable income.*

*Aframomum sp. (aka wild ginger) is the staple food of wild gorillas and a medicinal plant that boosts immunity.*
The endangered African grey parrot is the 2020 flag species for the Limbe Wildlife Centre. In 2019, 379 individuals were confiscated. 250 were successfully healed and rehabilitated. 200 are ready to be released.
ACTION 4. CONSERVATION AND REHABILITATION (Total: $32,735; 16%)

The Limbe Wildlife Centre is the only project dedicated to the survival of the endangered African grey parrots with the capacity to appropriately care for and rehabilitate rescued African grey parrots in Cameroon. In 2019, we rescued 379 individuals from illegal trafficking. We upgraded our veterinary and monitoring protocols, as well as dietary and enrichment requirements, and specialized our facilities to enhance the rehabilitation process and maximise the chance of survival to all individuals. Satisfyingly, the mortality rate was kept under 25% within the first month, and almost 90% of the individuals survived after 1 month. 50 individuals are still receiving special care; 200 have been successfully transferred to the large rehabilitation aviary, and at least 50 of them are ready to be released. We need to maintain their enriched diet and care until they all released back into the wild.

Our project is the pilot phase of the national program for the rehabilitation and release of African grey parrot victims of poaching and illegal trafficking. It consists of the implementation of a soft release protocol associated with post-release monitoring using GPS tags. This pilot project will serve to validate and standardize the methodology, which can be replicated at the national scale in partnership with various stakeholders involved in the management of protected areas. Proposed sites are the Campo Ma’an National Park and the Lake Ossa Wildlife Reserve.

REMARK: Although this is not an emergency per se, we must release 200 African grey parrots, which were confiscated by authorities in late 2019, and are fully rehabilitated and fit to return to the wild. Our number one mission is to release all animals that have successfully gone through rehabilitation and are fit to survive in nature. It will benefit our capacity to face the threat of the Covid-19 by reducing the costs of food, medicine, and workload which amount $450 per week. Lastly, it will reduce our population density and drastically decrease individual stress on the birds.
Images 8, 9 & 10. The rescued birds normally arrive in terrible condition and require a great deal of specialist care. Their flight feathers are often cut by poachers and must grow back before each bird learns to fly again.


Image 12. Rescued parrot undergoing health check under anaesthesia, incl. wings, feathers, weight, and overall physical condition.

Image 13. When they have fully recovered in quarantine, each bird is transferred to the new large aviary where they practice their flight.

Image 14. The 54 m³ soft release cage. The parrots will be able to fly out in the wild while having access to food in the cage.
Environmental education is one of the 3 main pillars to our work. Each year, we teach weekly to 1,500 school children.
ACTION 5. EDUCATION AND INSPIRATION (Total: €16,530; 8%)

Because of the pandemic, our education programmes with local children (2,000), communities (500) and international and national visitors (50,000 per year) have been suspended. Given the illegal wildlife trade continues unabated, we must keep our conservation and education efforts going.

Image 15. Each year, 1,500 schoolchildren receive environmental education.


The pilot soft release project for the African grey parrot includes an educational component. Public awareness and education campaign including press releases, radio, TV, newspapers articles and large billboards are planned. It aims at informing Cameroonians about the illegality of capturing parrots, about the importance of maintaining viable wild populations and making the communities adhere to the program.

Image 17. In 2019, educational billboards were produced in Limbe to inform the population about the plight of wildlife.

Image 18. These billboards educate the community about Cameroon's wildlife and the importance to protect them.
With the Coronavirus spreading through all continents and affecting each society, every human must rethink its relationship with nature, and reinvent the link between nature and societies. In traditional African culture, especially in Cameroon, Africa in miniature, respect for nature and wildlife was essential. That is the reason why Toh Bright chose the Limbe Wildlife Centre to begin his journey and remind us all about the importance to keep ecosystems healthy.

Toh Bright is a 25-year-old Anglophone Cameroonian award-winning visual artist and writer. With the Limbe Wildlife Centre, he aims to transform attitudes toward conservation by informing and inspiring people to make them aware, proud and responsible for their natural heritage. Toh Bright will illustrate 4 major programmes run at the Limbe Wildlife Centre: the endangered African grey parrot rehabilitation and release; community-based conservation; conservation education; and the rehabilitation of endangered primate’s species of the South-West Region of Cameroon.

The 4 billboards (4m x 2m) will be displayed in the community to emphasize the actions taken by the Limbe Wildlife Centre to protect Cameroon’s unique wildlife. We intend to make a documentary about Toh Bright’s journey to further help promote wildlife conservation and human well-being worldwide.

Image 19. Young artists Toh Bright will create 4 artworks featuring our activities towards nature and people.

Image 20. One of the 4 large 4m x 2m original billboards to be displayed: African grey parrot rehabilitation and release (Toh Bright).
TOH BRIGHT
A BRILLIANT CAMEROONIAN ARTIST
## Budget
Apr-Dec 2020 (9 months)

<table>
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<tr>
<th>CODE</th>
<th>GOALS</th>
<th>ACTIONS</th>
<th>OBJECTIVES</th>
<th>MEASURES</th>
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<td>FACING THE COVID-19 PANDEMIC AND ITS CONSEQUENCES ON HEALTH, ECONOMY, SOCIAL AND HUMAN WELLBEING</td>
<td>PROTECTION &amp; SANITATION</td>
<td>Upgrade all sanitary protocols</td>
<td>Provide handwashing stations</td>
<td>Material and consumables (soap, hand sanitizers etc)</td>
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<td>A.1.4</td>
<td></td>
<td></td>
<td></td>
<td>Limit movement in public transport and public places</td>
<td>Provide 2 motorbikes to pick and drop staff every morning/evening</td>
<td>Purchase new motorbike, documentation, fuel and maintenance</td>
<td>4,355</td>
<td>Package</td>
<td>1</td>
<td>4,355</td>
</tr>
<tr>
<td>A.1.5</td>
<td></td>
<td></td>
<td></td>
<td>Provide a vehicle to pick and drop staff every morning/evening</td>
<td>Fuel and maintenance</td>
<td>2,373</td>
<td>Package</td>
<td>1</td>
<td>2,373</td>
<td>100%</td>
</tr>
<tr>
<td>A.1.6</td>
<td></td>
<td></td>
<td></td>
<td>Provide logistical support to purchase first necessity products for staff households</td>
<td>Extra fuel and maintenance for vehicle and motorbikes</td>
<td>40</td>
<td>Month</td>
<td>9</td>
<td>360</td>
<td>100%</td>
</tr>
<tr>
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</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td>A.1.7</td>
<td></td>
<td></td>
<td>Strengthen the immunity and body condition of the animals</td>
<td>Provide nutritional supplement</td>
<td>Vitamins, high-protein intakes, medicinal infusion etc...</td>
<td>1,896</td>
<td>Month</td>
<td>9</td>
<td>17,061</td>
<td>44%</td>
</tr>
<tr>
<td>A.1.8</td>
<td></td>
<td></td>
<td>Safeguard the individual with respiratory symptoms</td>
<td>Provide emergency drugs and medical care to symptomatic individuals</td>
<td>Material, drugs, consumables and veterinary services</td>
<td>91</td>
<td>great apes</td>
<td>58</td>
<td>5,273</td>
<td>77%</td>
</tr>
<tr>
<td>A.2.1</td>
<td></td>
<td></td>
<td>Maintain daily operations and animal care standards</td>
<td>Maintain diet and enrichments</td>
<td>Food items</td>
<td>1,856</td>
<td>Month</td>
<td>9</td>
<td>16,705</td>
<td>71%</td>
</tr>
<tr>
<td>A.2.2</td>
<td></td>
<td></td>
<td>Maintain hygiene procedures within animal section</td>
<td>Maintain hygiene supplies</td>
<td>Material, hygiene supplies</td>
<td>182</td>
<td>Month</td>
<td>9</td>
<td>1,636</td>
<td>25%</td>
</tr>
<tr>
<td>A.2.3</td>
<td></td>
<td></td>
<td>Maintain medical monitoring and interventions</td>
<td>Medical and office supplies</td>
<td>1,091</td>
<td>Month</td>
<td>9</td>
<td></td>
<td>9,818</td>
<td>39%</td>
</tr>
<tr>
<td>A.2.4</td>
<td></td>
<td></td>
<td>Secure essential maintenance of animal infrastructures</td>
<td>Maintain infrastructures and structural enrichments</td>
<td>Material, equipment, consumables</td>
<td>273</td>
<td>Month</td>
<td>9</td>
<td>2,455</td>
<td>25%</td>
</tr>
<tr>
<td>A.2.5</td>
<td></td>
<td></td>
<td>Support our 40 staff members</td>
<td>Maintain staff incomes</td>
<td>Salaries, overtime and bonuses</td>
<td>7,273</td>
<td>Month</td>
<td>9</td>
<td>65,455</td>
<td>44%</td>
</tr>
<tr>
<td>A.2.6</td>
<td></td>
<td></td>
<td></td>
<td>Pay overtime for replacement to other staff members during quarantine</td>
<td>Overtime</td>
<td>15</td>
<td>Days</td>
<td>100</td>
<td>1,455</td>
<td>100%</td>
</tr>
<tr>
<td>A.3.1</td>
<td></td>
<td></td>
<td>Sustain our support to the local community</td>
<td>Purchase wild plants and crop by-products harvested by community members</td>
<td>Plants, transport</td>
<td>1,979</td>
<td>Month</td>
<td>9</td>
<td>17,813</td>
<td>43%</td>
</tr>
<tr>
<td>A.3.2</td>
<td></td>
<td></td>
<td></td>
<td>Provide logistical and in-kind, food supports to the most vulnerable</td>
<td>Social funds</td>
<td>2,727</td>
<td>Package</td>
<td>1</td>
<td>2,727</td>
<td>100%</td>
</tr>
</tbody>
</table>
EMERGENCY ACTION PLAN vs. COVID-19

<table>
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<tbody>
<tr>
<td>B.1.1</td>
<td><strong>CONSERVATION &amp; REHABILITATION</strong></td>
<td>Establish &amp; implement the soft release programme for the African grey parrots</td>
<td>Build soft release aviary</td>
<td>Material</td>
<td>2,036</td>
<td>Unit</td>
<td>1</td>
<td>2,036</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>B.1.2</td>
<td></td>
<td></td>
<td>Run soft release programme</td>
<td>Security, monitoring, food, medical supplies</td>
<td>1,860</td>
<td>Release(flockof25)</td>
<td>4</td>
<td>7,439</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>B.1.3</td>
<td></td>
<td>Monitor the African grey parrots after release</td>
<td>Conduct post-release monitoring</td>
<td>GPS trackers, expertise, data analysis</td>
<td>23,256</td>
<td>Package</td>
<td>1</td>
<td>23,256</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>B.2.1</td>
<td><strong>EDUCATION &amp; INSPIRATION</strong></td>
<td>Inform &amp; educate the local community</td>
<td>Engage authorities</td>
<td>Soft release inauguration</td>
<td>909</td>
<td>Unit</td>
<td>1</td>
<td>909</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Conduct a public awareness campaign</td>
<td>Press release, radio, TV and newspaper</td>
<td>463</td>
<td>Month</td>
<td>9</td>
<td>4,164</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>B.2.1</td>
<td></td>
<td></td>
<td>Conduct an education campaign</td>
<td>Education Billboards</td>
<td>4,545</td>
<td>Package</td>
<td>1</td>
<td>4,545</td>
<td>80%</td>
<td></td>
</tr>
<tr>
<td>B.2.1</td>
<td></td>
<td>Promote art 4-nature</td>
<td>Design and display 4 large billboards in the community</td>
<td>Consultancy, material</td>
<td>1,045</td>
<td>Billboard</td>
<td>4</td>
<td>4,182</td>
<td>83%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B.2.2</td>
<td>Make a documentary on Toh Bright’s journey to promote wildlife protection and human wellbeing</td>
<td>Consultancy</td>
<td>2,727</td>
<td>Package</td>
<td>1</td>
<td>2,727</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
</tbody>
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**GOAL 2. PURSUE CONSERVATION EFFORTS AND SHARE SUCCESS STORIES**

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<th>Qty</th>
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**REMARK:** The budget of the Emergency Action Plan is an estimate for the next 9 months (Apr-Dec 2020) and of course there is a lot of uncertainty in the funds we will be able to raise (some more donors may review their contributions), the duration and the extent of the crisis in Cameroon and the Limbe Wildlife Centre.
Figure 1. Proportion of the budget allocated to the 5 actions and their associated goal to achieve each of the 12 objectives.

Figure 2. Proportion of funds secured (color) vs. needed (grey) for each of the 5 actions.

Figure 3. Proportion of funds secured (color) vs. needed (grey) for each of the 12 objectives.
Ateh Wilson started with Pandrillus in 1994. Gorilla and chimp caretaker, Wilson is also the Head of the Education department. He coordinates the outreach programme in school, the activities of the Saturday Nature Club at the Limbe Wildlife Centre and staff training workshops. He is also our local media relation officer.
25 YEARS of effort to #ProtectWildlife

STOP IVORY TRAFFICKING

STOP BUSHMEAT TRAFFICKING

www.limbewildlife.org