

A black and white photograph of a gorilla family in a forest. In the foreground, a young gorilla (juvenile) is looking directly at the camera. Behind it, an adult gorilla is partially visible, and further back, another adult gorilla is seen. The gorillas are surrounded by dense foliage and leaves.

**New Nature  
Foundation  
2018 Report**



**The New Nature Foundation strives to conserve wild animals and wild places through education, empowerment, and an emphasis on creative solutions that promote people living in harmony with nature.**



Founders & Project Directors: Rebecca Goldstone and Michael Stern

5308 Woodbine Avenue, Philadelphia, Pennsylvania, 19131    610-256-0959

[info@newnaturefoundation.org](mailto:info@newnaturefoundation.org)    [www.newnaturefoundation.org](http://www.newnaturefoundation.org)

## Summary of Accomplishments, January – December 2018:

- 42,821 men, women and children visited the project's five Science Centers
  - 25 nature films were shown to audiences averaging over 300 people
- 24 workshops were conducted focusing on fuel efficiency and family/career planning
  - Over 300,000 eco-briquettes were manufactured
- 702 Ugandans were brought on tours of the Tooro Botanic Gardens and 102 trekked chimpanzees in Kibale National Park with NNF Staff
  - 49,971 lbs. of waste was traded for briquettes
- 62% of families in NNF's Ugandan target areas and 35% in Vietnam are using efficient stoves
  - 71% of the Ugandan families grow firewood at home
- Families with efficient stoves use 40% less wood than those with traditional stoves in Uganda and 85% less in Vietnam
  - Six competitions were held in Uganda and Vietnam with over 4,300 people attending

**Overall, NNF's programs engaged more than 57,294 citizens in Uganda and Vietnam and saved more than 8 million pounds of wood in 2018!**

We hope you enjoy reading this report. If you have any questions or comments, please feel free to contact us at any time. **Thank you very much** for the vital role you are playing in saving wildlife habitat around the world!



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## ECO-BRIQUETTES

### Achievements:

- In 2018, **307,677 eco-briquettes were produced** (164,866 non-carbonized and 142,811 carbonized). **This is a 20% increase in production from 2017.** (See Appendix I for increases since 2011.)
- **189 families are now utilizing briquettes.**
  - The top family of the year traded 4,213 lbs. of waste for 7,660 briquettes, **enough to cook on briquettes approximately 52% of the time.**
- McLeod Russel Tea (MRT) purchased **42,000 briquettes for workers at their Kiko estate.**
- **\$834 in Eco-Char was purchased** (63% more than last year), mostly from the Fort Portal Science Center.
  - The income from MRT (totaling \$720 at the current exchange rate), together with the eco-char sales, covered nearly two month's wages for the Eco-Char Initiative, bringing us closer to the goal of full sustainability for this portion of the project.
- A small vehicle (a motorcycle-driven truck) was purchased to increase efficiency by collecting waste from trading partners who live farther away and transporting materials back and forth between the village production center and our electricity access point, at Kiko Tea Estate. In its first six months of operation, NNF saw an **increase in waste collection of 32%**, as well as freeing up the other project vehicle (and project manager) for other important projects. October was the highest collection month at 6,956 lbs. Thanks to the Margot Marsh Biodiversity Foundation for making this purchase and subsequent increase in efficiency possible.
- With the increase in ease of waste collection, families began working together to amass and store waste until pick-up days. It is one of the first times NNF has witnessed this type of collaboration for conservation.
- Production of the carbonized briquettes has also increased, thanks to a new mixing machine built by a volunteer from Taronga Zoo.

### Challenges:

- While the quality of the eco-char has continued to improve, thanks to small recipe adjustments and better production methods, it remains difficult to convince people to switch over. The eco-char simply looks and feels different than natural charcoal, and this is proving to be a difficult cultural hurdle. Until the price can be significantly lower than natural charcoal, we may not see the exponential growth that was hoped for. Free samples of the eco-char were provided to all the participants in the "Wildlife, Trees &



People” program (more details below), but this did not result in any long term customers. Still, the number of repeat customers has grown. Further improvements to production efficiency are planned for 2019, and with the cost of production reduced we hope the price will become more competitive and that eco-char will become more attractive to consumers. NNF’s local business partners are also helping to spread the word. A dedicated and highly skilled marketing or business professional would be of great assistance.

The total amount of eco-char produced equates to **10,234 lbs. of charcoal**, and the total amount of non-carbonized briquettes equals **90,677 lbs. of wood saved in 2018**.

In total, since inception in 2011, the briquettes have saved **over 600,000 lbs. of wood and charcoal** in close proximity to Kibale. The briquettes are carbon neutral, so in addition to protecting wildlife habitat, NNF’s Eco-Char Initiative is helping us all by mitigating carbon emissions and climate change.

## ***EFFICIENT STOVES & TREE PLANTING***

- **The latest surveys reveal that over 62% of families in the target areas are using efficient stoves.**
- An average family, combining both those with traditional and efficient stoves, use only .9 heaps (about 19.8 lbs.) of wood daily. Those with efficient stoves use 40% less wood than those with traditional three-stone fires (see Appendixes II & III).
- **In 2018, community members built 168 stoves with assistance from NNF staff.** In total, NNF has assisted in building over **2,211** efficient stoves since inception.
- Across all target areas, **71% of people now grow trees at home, 42% of whom grow the leguminous species being promoted.**



Utilizing data from the 2018 surveys and other past NNF research, project stoves account for a **savings of 24,184 lbs. of wood daily**. This equates to **8,827,379 lbs. of wood saved in 2018**, much of which would have been cut within Kibale National Park.<sup>1</sup>

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<sup>1</sup> The figure above takes into consideration the fact that 47% of the stoves censused in 2017 were built thanks to word of mouth, without help from NNF staff, after people learned about the design from others using NNF stoves. The figure was calculated with wood usage numbers from 2018’s surveys and an 85% stove functionality figure from ongoing research. Counting only the stoves that NNF helped to build, again with an 85% continued use rate, 12,817 lbs. of wood is saved daily, or 4,678,278 lbs. in 2018.

Even with this great wood savings, surveys reveal that a large portion of people still report that it is a struggle to find firewood. NNF believes this to be linked to one major factor: The Ugandan population growth rate is 3.2%, one of the highest in the world. When NNF started this program in 2006, the population was 29.37 million; in 2018, 44.27million, an increase of 51%. In comparison, the USA had 9% population growth during that same time period. While the need for wood has been reduced thanks to NNF's programs, the demand has continued to increase, due to population pressures. Continued work is needed to bridge the gap.

To gather more data on stove efficacy, a new survey method takes family size into account, an important variable that had not been captured. (Family size is important since larger families cook more food, and likely have different cooking habits than small families.)

In December, we conducted 100 focused surveys in 3 target areas. The findings show that NNF's stoves are even more efficient than we thought. On average, those with traditional stoves use 4.1 lbs. of wood per person per day; those with NNF stoves used 2.2 lbs. of wood per person per day - **86% less!** Multiplied by the average family sizes for each group, this means **that each NNF stove saves 11.9 lbs. of wood each day, or 4,343 lbs. each year.** For 2019 onward, all surveys will include this data, which will provide increased detail on the conservation of wildlife habitat. A new stove design is also being perfected, and we think this will lead to many more stoves.

## *SCIENCE CENTERS, TRAINING WORKSHOPS & VIDEO SHOWS*

- Total attendance at all five Science Centers was **42,821 people in 2018**, 48% of whom visited the Fort Portal Science Center.
- 14 staff attended the annual training workshop at Kidepo National Park, in Uganda's far North-eastern corner.
- 24 community training workshops were conducted focusing on wildlife, fuel efficiency and career/family planning, with a total attendance of 1,294 people.
- 25 Video shows were presented with an average attendance of 300 people per show.



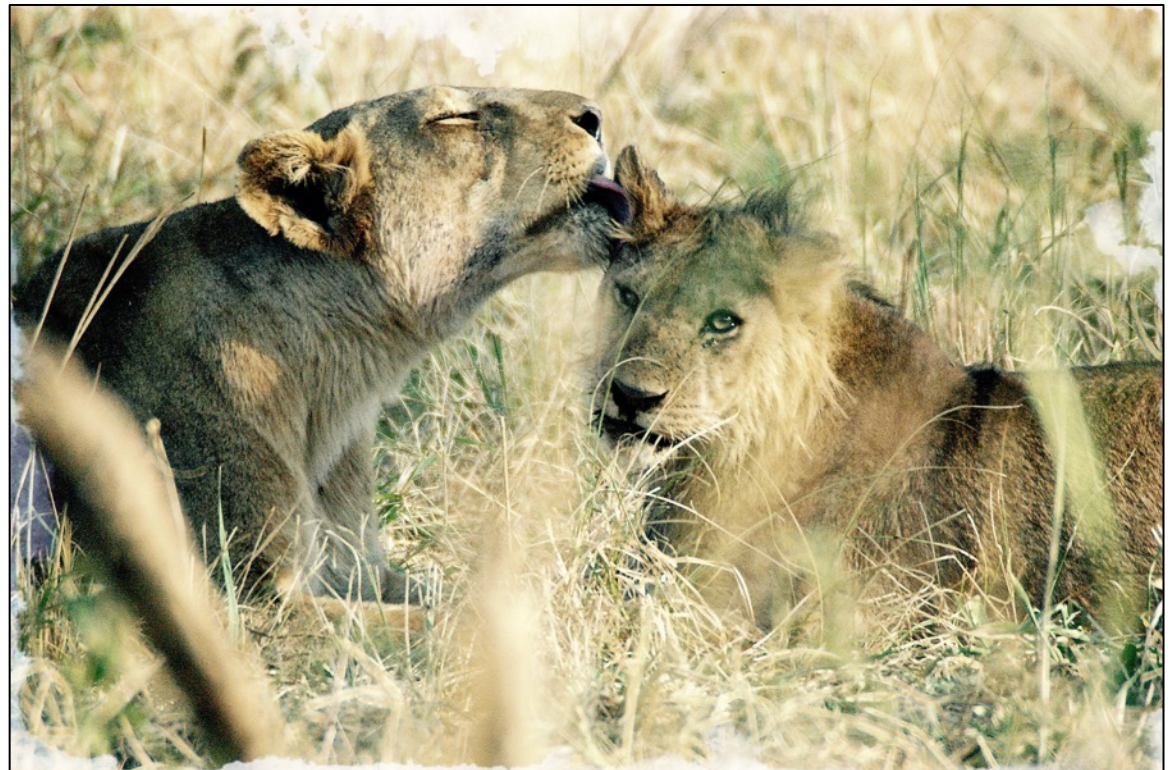
### More highlights from 2018:

- ❖ Seven different schools organized visits to the Fort Portal Science Center
- ❖ Fort Portal Science Center visitors also included citizens of more than 15 countries from around the world
- ❖ More than 25 nature walks were organized at the Science Centers, in conjunction with NNF's "Wildlife, Trees & People" program (more details below).
- ❖ In February, the Resident District Commissioner of Kabarole District (along with other government and church leaders) publicly acknowledged his appreciation of NNF's work at a local governmental celebration. Attendees were advised to learn more about wildlife at the Science Centers and continue "going on" with NNF. Our staff members were invited to speak, and they received a warm reception from the crowd of over 500.
- ❖ Each of the five Science Centers participated in the first ever World Chimpanzee Day on July 14<sup>th</sup> (more details below).
- ❖ Five Science Centers are run for under \$40,000 each year (including all Science Center staff, rent, a portion of the vehicle, all the educational materials, etc.). They are entirely dependent on donations and grants to continue.

Selected science center staff are invited to visit one of Uganda's national parks each year, to further their knowledge as ambassadors of their country's wildlife and wild places. Here is what Science Center Manager Sam Murungi had to say about the trip to Kidepo:

*The most amazing and exciting visit that I will never forget in my life. Before the van begins, I was full of excitement and hope. All of us were having many questions in our hearts about the park, since it would be the first time to visit there. It was not an easy journey, for sure! Surprised to have passed through towns where they could not understand our Bantu language - we all then switched to the English language. As we were still on the way, I observed that the climate completely changed. It became very hot, and we found ourselves removing t-shirts to observe some fresh air.*

*We finally arrived. Oh my god! When we just entered, I was full of happiness. I kept my eyes looking outside, to ensure that I did not miss to see anything we came across. For sure, the park is of savanna grassland. The guides taught us various matters about the park – it is 1,400 square kilometers and includes many*



*animals, including the largest land species, so called the elephant. On the drive, we found herds of elephants with their calves. We also saw many herds of buffalo, and I observed that they are far bigger than those in the forest. We saw oribi, zebra, mongoose, bushbuck, waterbuck, warthog and eland. The park also has three species of primate: patas, vervet and baboon, and we had a chance to see all of them. Sleeping at the camp was so nice and sweet. We were fully advised not to loiter around at night, to avoid being caught up from elephants and lions. I could hear the noises of the lion roaring, the elephant trumpeting, the monkeys and other animals within the park, and the sweet-sounding whistling voices from the birds.*

*Indeed, the visit was so so nice and educative and courageous. Especially, in my heart I am so happy. Thankful to all who struggled to make this trip happen. Special thanks from the bottom of my heart goes to the dearest donors who always donate to NNF. We really appreciate your hands of help. **Thank you so much – we love you! With your help, we can save the wildlife of the world.***

Please continue to support these trips and the Science Centers: shop and share our [amazon wish list](http://www.amazon.com/gp/registry/wedding/1M88FJTAH8T5G) so that we can fill the museums with amazing things! <http://www.amazon.com/gp/registry/wedding/1M88FJTAH8T5G>

Please also remember to use Amazon Smile so that a percentage of all of your purchases can go to NNF (with no cost to you – just use <https://smile.amazon.com/> any time you shop and choose New Nature Foundation as the organization you'd like to support).

## **TREKS & TOURS**

Thanks to a partnership with Virginia Zoo and the WAZA Nature Connects grant, NNF was able to bring local citizens on tours of Kibale National Park, Tooro Botanic Gardens and nature walks around each of the Science Centers. The “Wildlife, Trees & People: Conservation Action – Outside!” campaign ran from May – August.

The primary objectives of this program were to:

- 1) facilitate greater love and appreciation for the local environment;
- 2) highlight the negative effects charcoal production has on forests, and;
- 3) promote effective charcoal alternatives.



The program consisted of four lessons offered at two of the Science Centers. Once a family or individual had participated in the first lesson, they were invited for a free visit to the Tooro Botanic Gardens, where they learned about hardwood trees, medicinal plants and the effects of deforestation at both the local and global levels. Participants also experienced tremendous bird watching and were encouraged to hug a tree. After this lesson, each participant received a sample of eco-friendly charcoal made from waste, so they, as families, could try it at home and tell others about the importance of our environment and sustainable charcoal alternatives.

If the families or individuals also completed the next three lessons at the Science Centers, and met the age criteria, they were entered into a drawing to visit the world-famous chimpanzees of Kibale National Park. During this trip, they also received lunch and a t-shirt and certificate of recognition for completing the entire course.

Overall, 702 people participated in the Botanic Garden tours, 102 of whom also went on to visit the chimps in Kibale. Even more participated in at least one of the lessons at the Science Centers. It was such an amazing experience for everyone involved (staff included!) and the impact has already been made evident through feedback surveys and other evaluations.

Each lesson included an activity to evaluate what was learned from the experience. (See graphs in Appendix V for some unique participant feedback.) Poetry was encouraged after the first lesson and we found not only a clear intent to act constructively to save the forests but also deep emotional responses to trees and nature. Words repeated throughout the entries included: Love; Good; Beautiful; Wonderful; Nurturing; Important; Support; Life giving.

There are countless individual comments, smiles and handshakes that make us all so proud to have been a part of this! Our ability to reach so many people to discuss such a relevant issue as charcoal production while also creating opportunities for life changing experiences has been outstanding. Our data have already shown that so much was learned by blending the curriculum with outdoor experiences, and since the activities have ended we have often received comments similar to these:

*Things are totally different because we never saw chimpanzees face to face. It was a big change.*

*I lived here all my life but never been to Kibale. It is a place you dream about.*

*Thank you for bringing people here, we must conserve.*

*Before I was fearing the forest, but it was amazing, now we know what is there and we can explain it better. I will tell people what I saw there. It was my first time I ever been here. Since I was born, it was amazing. Yes, I will come again.*



## Questions & Answers:

Would you want to return and visit Kibale National Park again?

*Yes, because the place is just WOW!!!*

What do you feel when you think about the forest now?

*I feel the goodness of the forest.*

What was the best part of your trip?

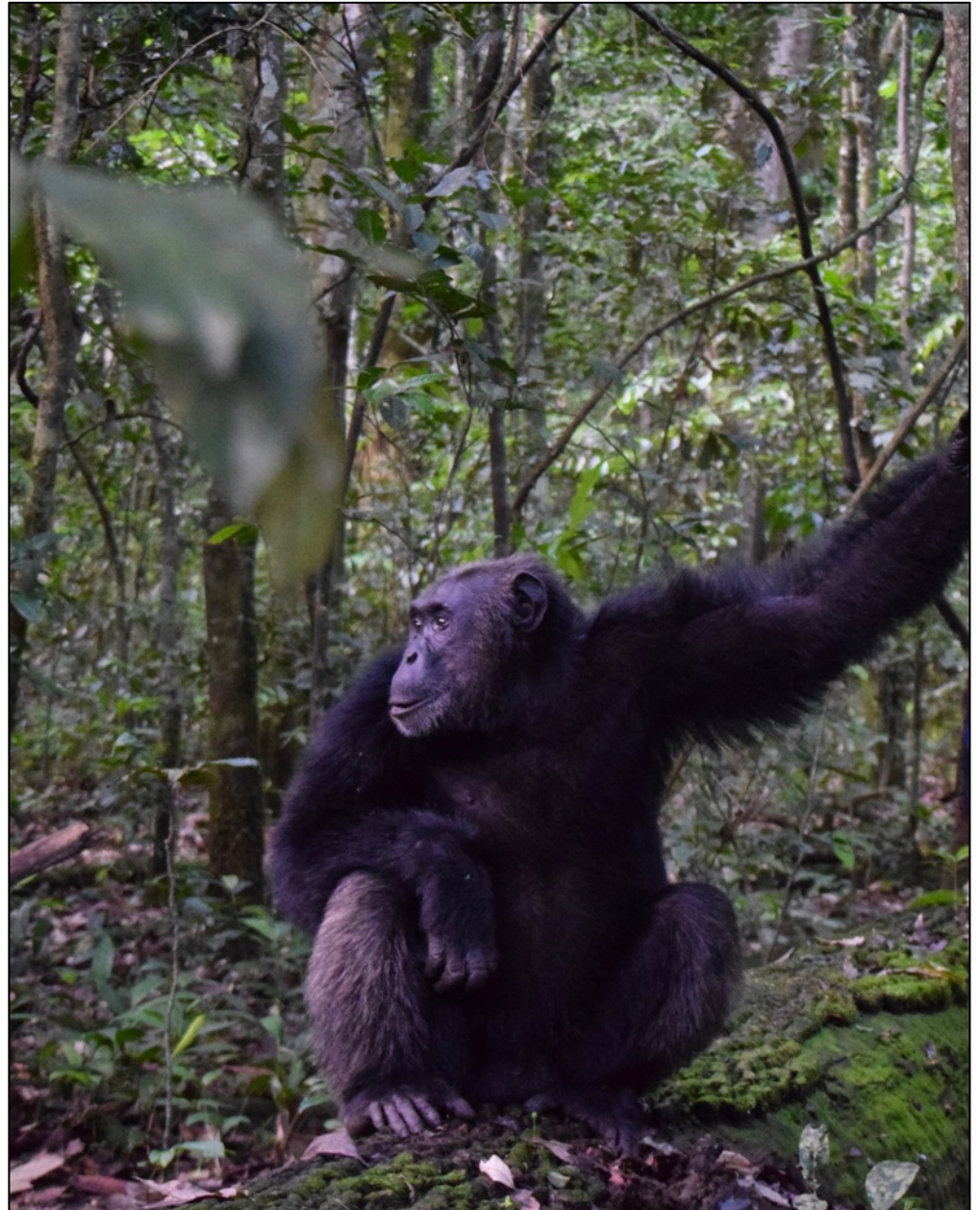
*Seeing one chimp get shy when we were all looking at it, since it was alone and we were many. It had a look in its eyes like people.*

Here is one of the NNF staff member's reaction to the program:

*It was not an easy work to organize these trips, because most of the visitors we received had much fear of the forest. They were thinking that the forest is full of dangerous animals that may attack them. They worried of getting lost within the wild. They thought of thorns and thick vegetation. But we tried with our level best to convince them until the exercise ended. Few people can manage to pay the park entrance fee. But because of this grant 100 people including me enjoyed visiting. It was indeed amazing and exciting to run such a project up to the end.*

## Challenges:

The only challenge to continuing these programs is funding, currently limited in NNF's 2019 and future budgets. NNF staff and regular Science Center visitors are now far more knowledgeable about Uganda's natural treasures and will use their personal experiences to be better ambassadors for all of nature. If a funding opportunity becomes available, we already have a large audience eager to build on what they've learned, participate and discover more.



## CONSERVATION COMPETITIONS

The theme for the 9<sup>th</sup> annual Kibale Conservation Competitions was “Living in Harmony with Nature.” **Over 2,250 people attended the four events**, a very high number considering the torrential rains that plagued three of the four days.

Activities included:

- The ever-popular Efficient Bean Cookoff, with 50 chefs participating
- Demonstrations of cooking with eco-char
- Sculpture contest: creating art from recycled natural objects and rubbish
- Drawing contest: chimpanzees in Kibale
- Writing contest, the “Wish for Kibale”: Tell the world *in one sentence* the importance of Kibale National Park
- Strong person competition: Timed running of an obstacle course, first while carrying 60 lbs. of wood and then with just 30 lbs., showing how much easier life is with an efficient stove (photo in Appendix IV)
- Group poetry, drama and dance competitions, using traditional artforms to showcase the theme of “Living in Harmony with Nature”



For Poetry and “Kibale Wishes,” see Appendix IV.

### Challenges:

In our 9<sup>th</sup> year, a desire for better prizes were expressed, due to increased cost of living and because many of the contestants have attended since inception. In 2018, NNF spent about \$1,000 on each competition, (not including staffing or other overhead). For attendance and competition to continue at high levels, suitable encouragement is required. Like the Science Centers, this aspect of the work will always require external financial support.

Please consider donating more this year, or one of these other options: NNF's Amazon wish list. You can purchase items from the list (or similar things you find exciting) and send to the Directors in the USA (5308 Woodbine Avenue, Philadelphia, PA, 19131). Another wonderful solution for institutions that have left over apparel or equipment from seasonal programs is to mail them to our Philadelphia address. Last but not least, more visitors coming with their own gifts is always appreciated, and much more fun for all involved! Thanks to Oakland, Taronga and Columbus Zoos for being a part of past competitions and bringing prizes with them.

## *WORLD CHIMPANZEE DAY*

NNF actively participated in the first-ever World Chimpanzee Day on July 14<sup>th</sup> to celebrate our closest relatives together with over 60 other organizations participating worldwide. All five Science Centers, hosting 275 Ugandans that day, joined the event, including a group that went to the botanical gardens. The celebrations were very successful, with all "troops" pant-hooting to the world at exactly the same time, and enjoying other games, educational activities and artistic opportunities throughout the day.

## *VIETNAM*

One of the most critically endangered species in the world, only ~250 Tonkin Snub-nosed Monkeys remain. Their habitat is threatened by small scale logging, so based on NNF's successes in Uganda, the Directors were invited to Ha Giang Province in Northern Vietnam as efficient stove consultants for the Denver Zoo's Tonkin Snub-nosed Monkey Conservation Program in 2014 and have been collaborating ever since.

### **2018 Achievements:**

- **209 stoves were built in** Tung Ba, Yen Dinh and Minh Son communes, over 40% more than 2017.
- 35% of those polled in the annual survey have built a rocket stove in their home.
- **Surveys reveal that the average family using only rocket stoves to cook for both people and animals uses 33.7 lbs. of wood daily, 85% less than those who use only traditional hearths.** The full story is more complex, of course, as many of the families surveyed use both traditional and rocket stoves, and some have electric rice cookers and gas as well. The



data shows that the design is efficient, and we will continue to collect and analyze more data, in partnership with Denver Zoo, to further fine tune this aspect of the work.

- In total, **457 stoves have been built since 2015.**
- The alternative livelihood program is growing, with more citizens trusting the interactions and creating long-term relationships. In 2018, Vietnamese crafts raised more than \$1,600 for NNF while also providing much needed funds to the families who created them. Honoring Vietnamese culture and creativity by buying sustainable handcrafts will ultimately help create a more stable environment for the Tonkin Snub-nosed Monkeys.
- The Hmong tribe in far Northern Vietnam has now begun to accept the program, specifically the stoves.
- Camera traps were set up within Khau Ca to document the mysterious goings on of the forest. A total of 27 species including 12 birds and 15 mammals were recorded. (See appendix VI).
- The first ever Minh Son Monkey Day was held in November, hosting 1,250 people.
- The second Monkey Day celebration was held in Tung Ba, hosting 850 people.

## Monkey Day

Modeled after the hugely popular conservation competitions in Uganda, NNF and Denver Zoo partnered to bring this celebration to Northern Vietnam. In its second year we found the event very well received! Competitions included animal population guessing games, Tonkin Snub-nosed drawing, recycled leaf art, strong person obstacle course (connected to rocket stove wood usage), creating a 3 minute video about the Tonkin Snub-nosed Monkey to share with the world, and incorporating traditional song and dance into a message about living in harmony with nature. Other activities included dream tree messages, Ms. Rocket Stove, stove cooking demonstrations, feedback on the annual calendar, a table for the Forest Appreciation Program led by Denver Zoo, and a final celebration dinner for special guests.

For excerpts from “Dreams for the Conservation of Khau Ca and the Tonkin Snub Nosed Monkey,” see Appendix IV.



## *PUBLICITY & PARTNERSHIPS*

To celebrate Earth Day, NNF partnered with the Philadelphia Zoo to host 100 guests at Jose Garces' 24 restaurant in Philadelphia. Tremendous thanks to Charles Block and Brielle Sieh for making the event possible. The afternoon included amazing food and custom cocktails (the Wildflower, Kibale Sundowner and Ha Giang Sunrise), a silent auction featuring handcrafts and other art from Uganda and Vietnam, and a brief lecture about the work. Thank you to all who joined us, helping to raise over \$10,000 for the projects! The chance to have one-on-one conversations that spark new ideas was truly inspiring. If you are interested in hosting an event, we would be honored!

Co-Founders Rebecca and Michael lectured at Ibotta Inc. headquarters in Denver in March; for the Philadelphia Zoo Docent Council in April; at the Congress of the International Primatological Society in Nairobi in August (and participated in the development of a Conservation Action Plan for red colobus at this meeting); at Colorado's first "Finding Your Voice" women in conservation event in October; and at the Roger Williams Park Zoo and Franklin Park Zoo in December. NNF was also featured in articles on the Virginia Zoo and Taronga Zoo websites.

Several talks are already planned for 2019 – if you'd like to host a fundraiser or share with your friends/members about the important conservation and community empowerment work you're supporting in Uganda and Vietnam, please get in touch any time.

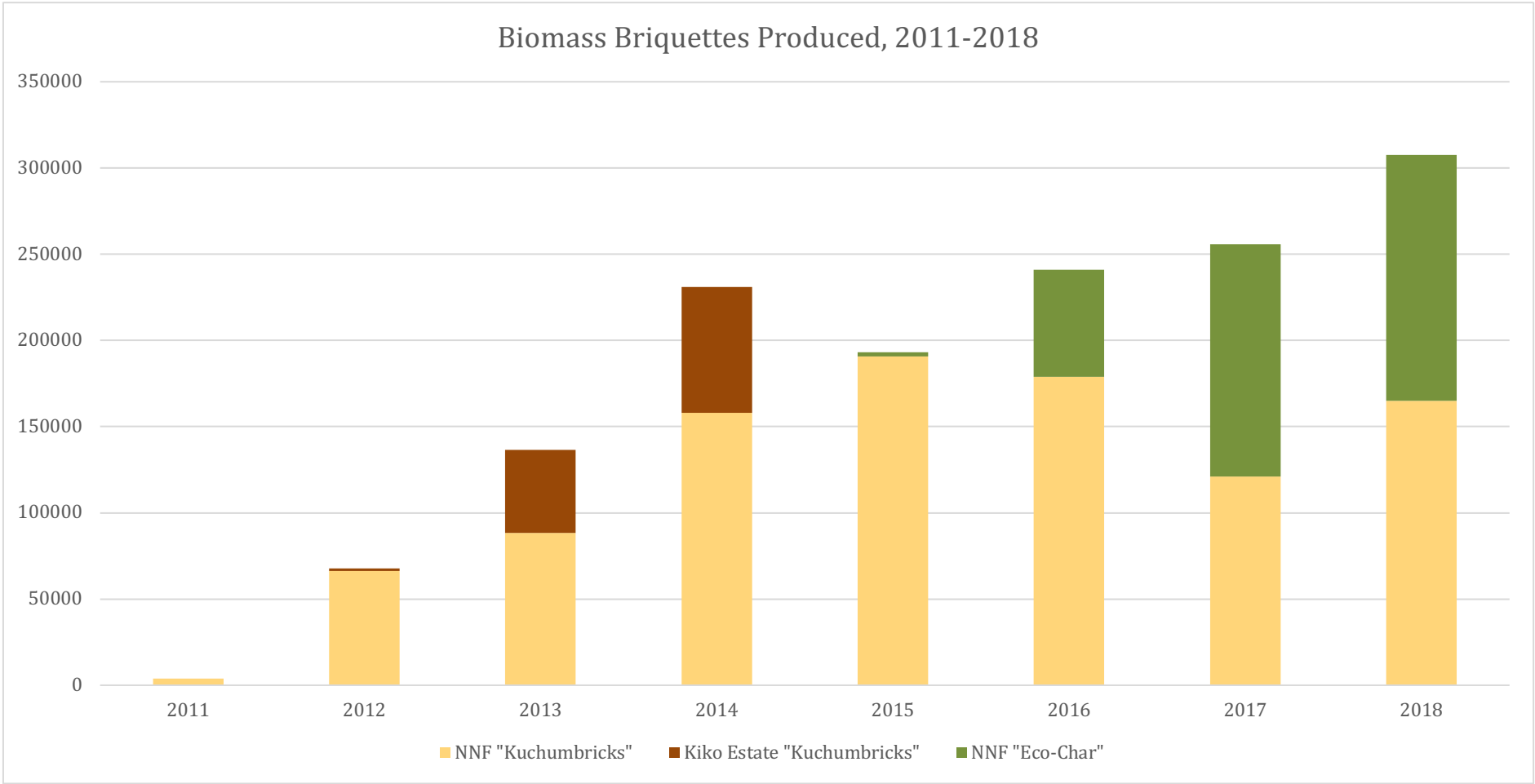
# Thank you all!





*...and many generous private donors. Thank you all!*

Appendix I: Briquette Production



## Appendix II: Survey Charts

	Baseline Data All Areas (2006, Pilot areas; 2007, EPI areas; 2008, EPII areas)	Most Recent Data All Areas (2018)
Is it a struggle to obtain firewood?	89% YES	82% YES
How do you propose to lessen the struggle?	58% plant trees 7% efficient stove 7% cut wood in KNP	30% plant trees 17% efficient stove 7% cut wood in KNP 3% use briquettes
Do you grow trees at home?	51.5% YES (10.5% of whom grew <i>S. sesban</i> )	71% YES (42% of whom grow promoted leguminous species)
Traditional or efficient stove?	4.5% used efficient stoves	62% use efficient stoves
Average Wood Use	1.34 heaps per day	0.9 heaps per day Efficient stove uses 40% less than traditional 0.78 eff.   1.09 trad.
Firewood collected in the park?	30.5% YES	12.5 % YES

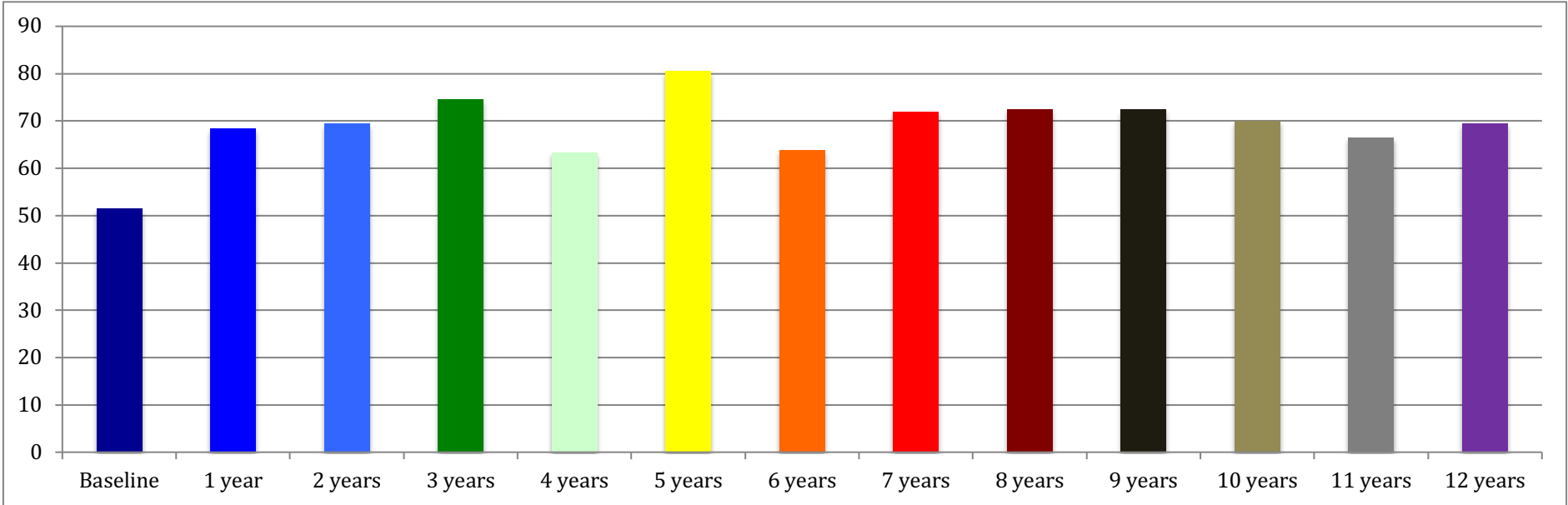
	Baseline Data Pilot Year Areas (2006)	Most Recent Data Pilot Year Areas (2018)
Is it a struggle to obtain firewood?	93.5% YES	85% YES
How do you propose to lessen the struggle?	75% plant trees 0.5% efficient stove 12% cut wood in KNP	24% plant trees 18% efficient stove 6.5% cut wood in KNP 6.5% use briquettes
Do you grow trees at home?	55% YES (8.5% of whom grew <i>S. sesban</i> )	76.5% YES (55% of whom grow promoted leguminous species)
Traditional or efficient stove?	3.5% used efficient stoves	65% use efficient stoves
Average Wood Use	1.11 heaps per day	0.84 heaps per day Efficient uses 33% less wood than traditional 0.75 eff.   1 trad.
Firewood collected in the park?	37% YES	9.5% YES

	Baseline Data Expansion Phase I Areas (2007)	Most Recent Data Expansion Phase I Areas* (2018)
Is it a struggle to obtain firewood?	92% YES	57% YES
How do you propose to lessen the struggle?	49% plant trees 7.5% efficient stove 8% cut wood in KNP	43% plant trees 8% efficient stove 0% cut wood in KNP
Do you grow trees at home?	56% yes (20% of whom grew <i>S. sesban</i> )	59% yes (30% of whom grow promoted leguminous species)
Traditional or efficient stove?	2.5% used efficient stoves	66% use efficient stoves
Average Wood Use	1.43 heaps per day	0.61 heaps per day Efficient uses 38% less wood than traditional 0.55 eff. 0.76 trad.
Firewood collected in the park?	23% YES	23% YES

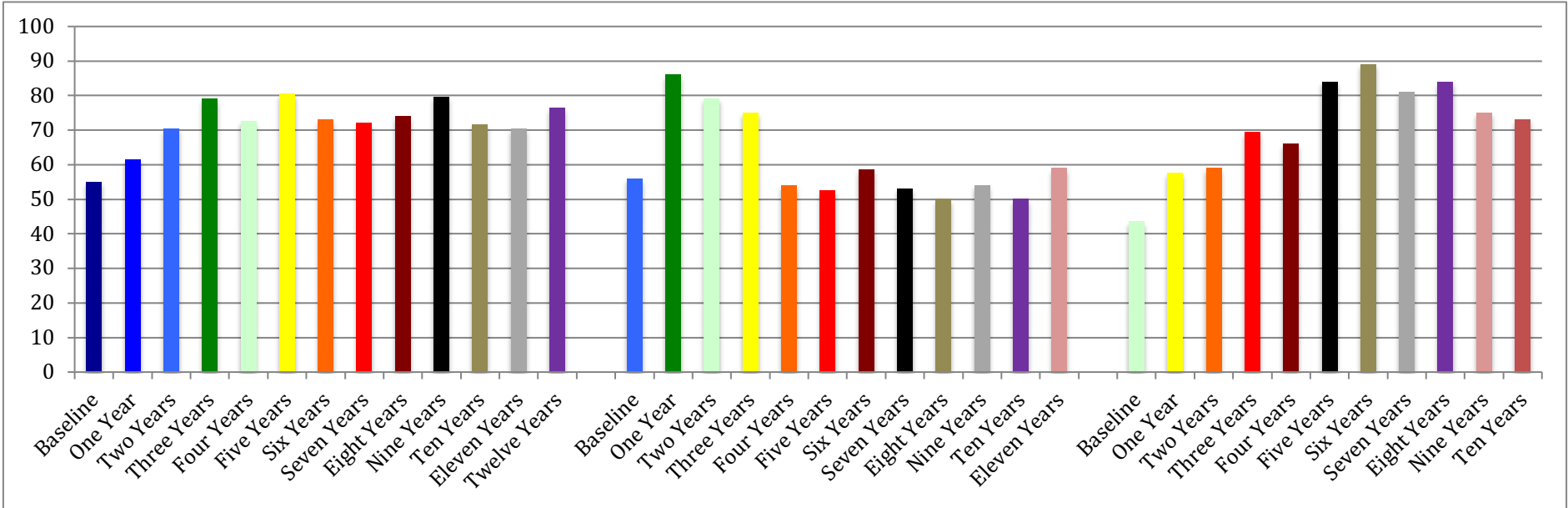
	Baseline Data Expansion Phase II Areas (2008)	Most Recent Data Expansion Phase II Areas* (2018)
Is it a struggle to obtain firewood?	81.5% YES	100% YES
How do you propose to lessen the struggle?	49% plant trees 14% efficient stove 1.5% cut wood in KNP	28% plant trees 25% efficient stove 14% cut wood in KNP
Do you grow trees at home?	43.5% YES (3% of whom grew <i>S. sesban</i> )	73% YES (29% of whom grow promoted leguminous species)
Traditional or efficient stove?	8% used efficient stoves	50% use efficient stoves
Average Wood Use	1.48 heaps per day	1.33 heaps per day Efficient uses 50% less wood than traditional 1.07 eff. 1.6 trad.
Firewood collected in the park?	31.5% YES	8% YES

\*One of the Expansion Phase I areas was phased out in 2014; one of the Expansion Phase II areas was phased out in 2013. These numbers reflect only target areas where NNF is still active. (The same is true on the graphs below.)

Appendix III: Survey Graphs



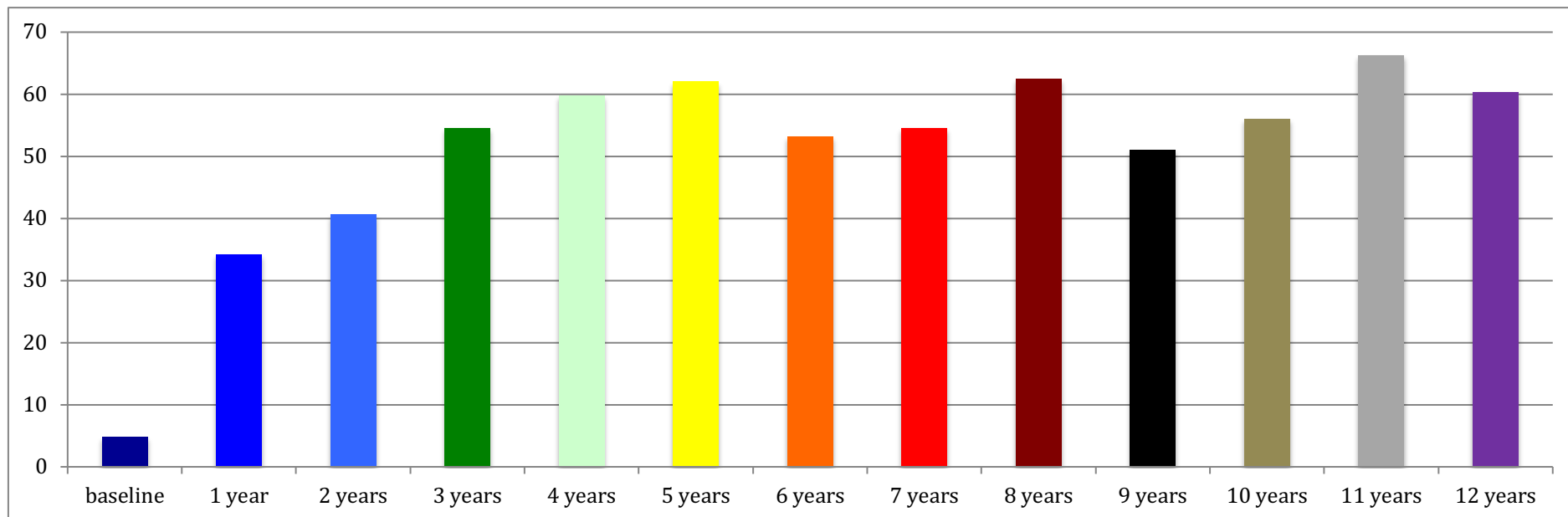
Percentage of Families Planting Trees, Combined Average



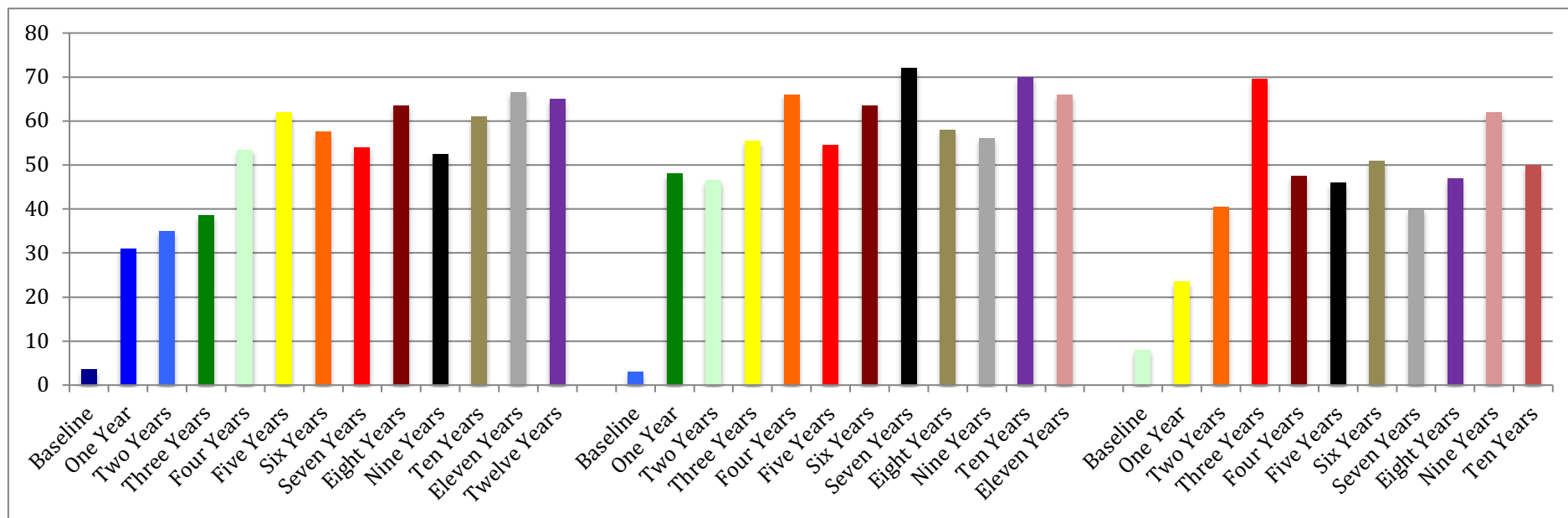
Makobyo & Isunga  
Percentage of Families Planting Trees, Split by Start Date

Kaswa

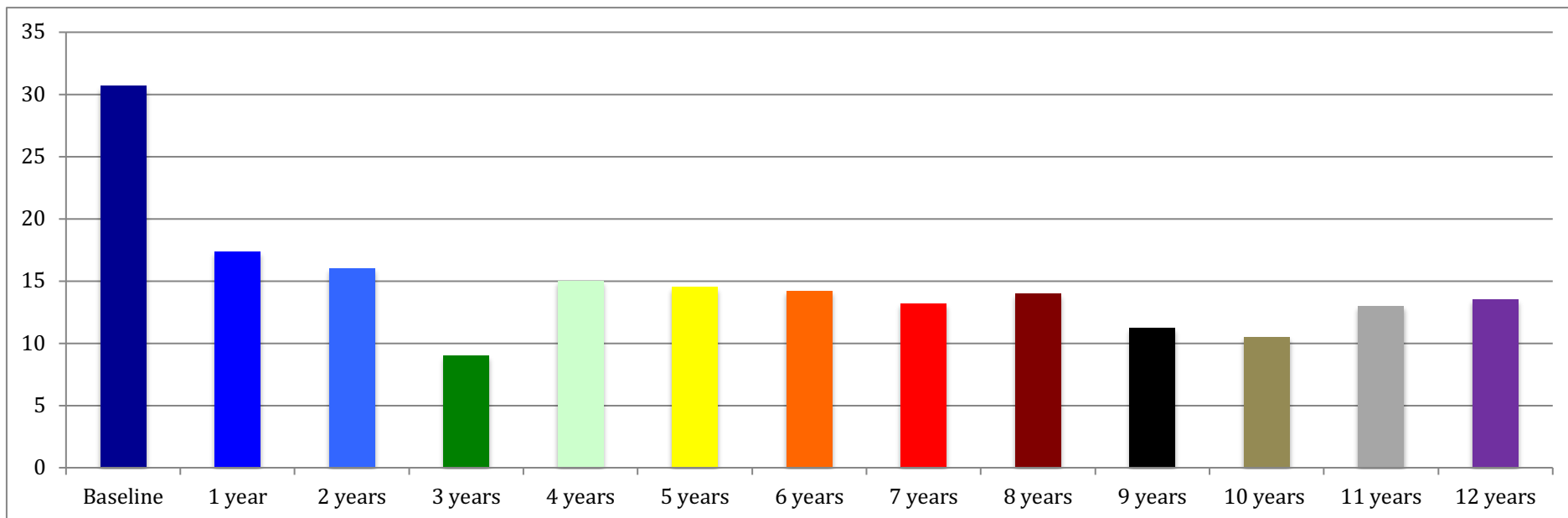
Nabweya



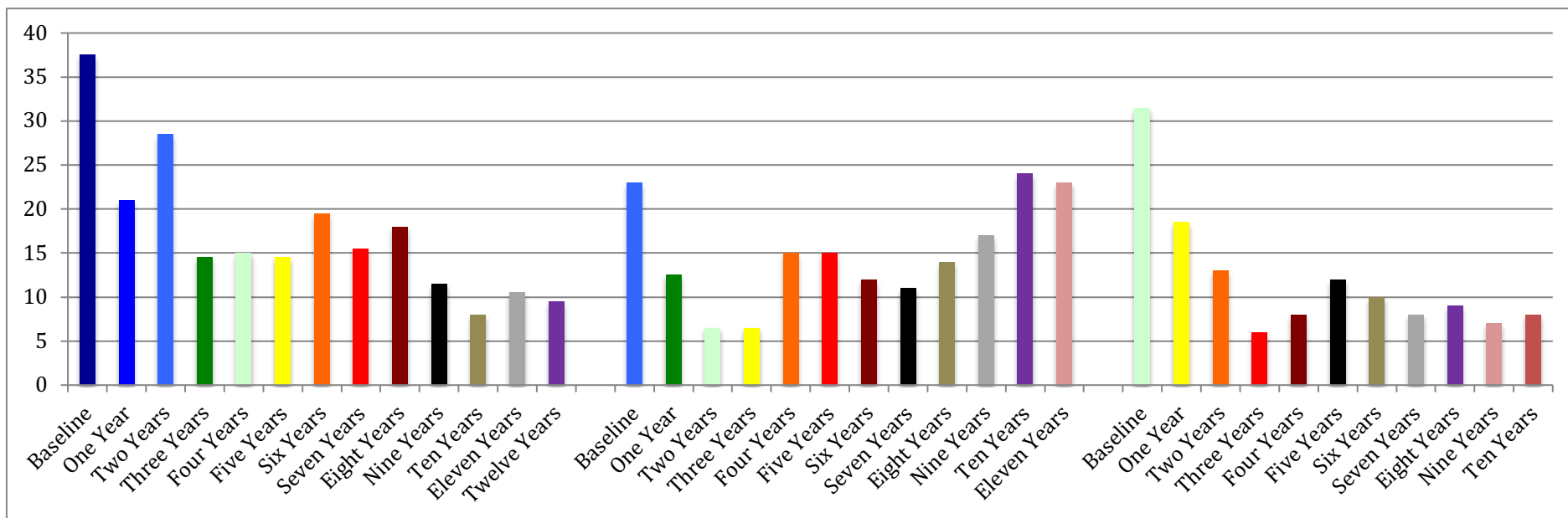
*Percentage of Families Using Efficient Stoves, Combined Average*



*Percentage of Families Using Efficient Stoves, Split by Start Date*



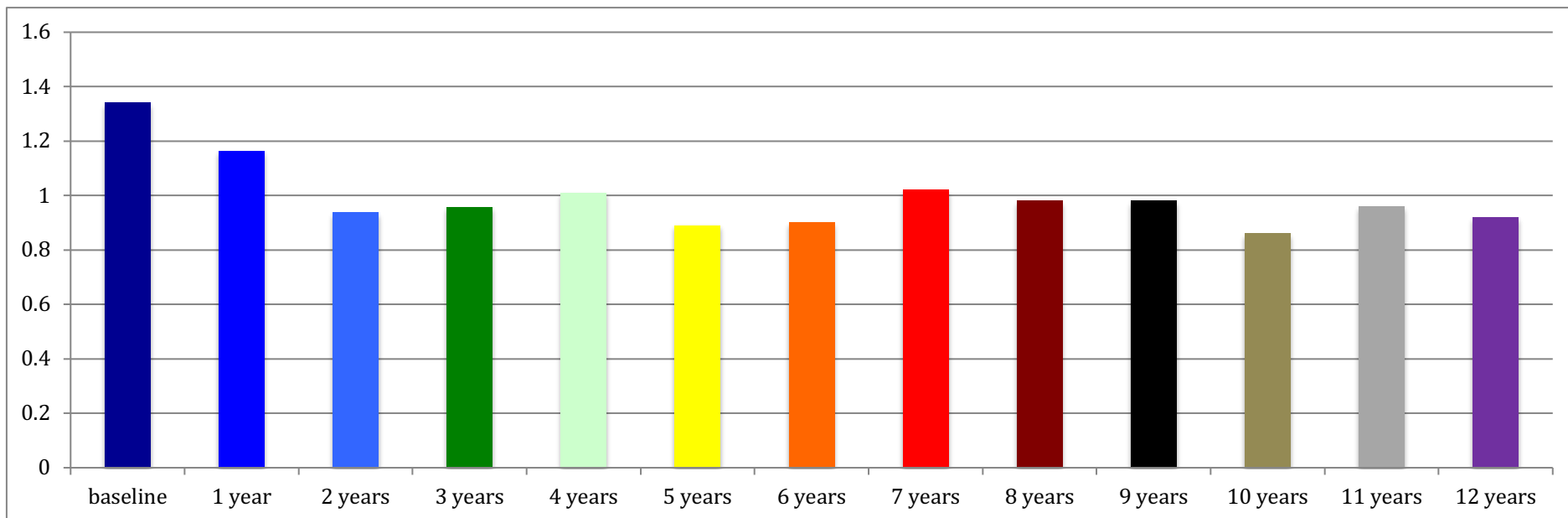
*Percentage of Families Collecting Wood from Kibale, Combined Average*



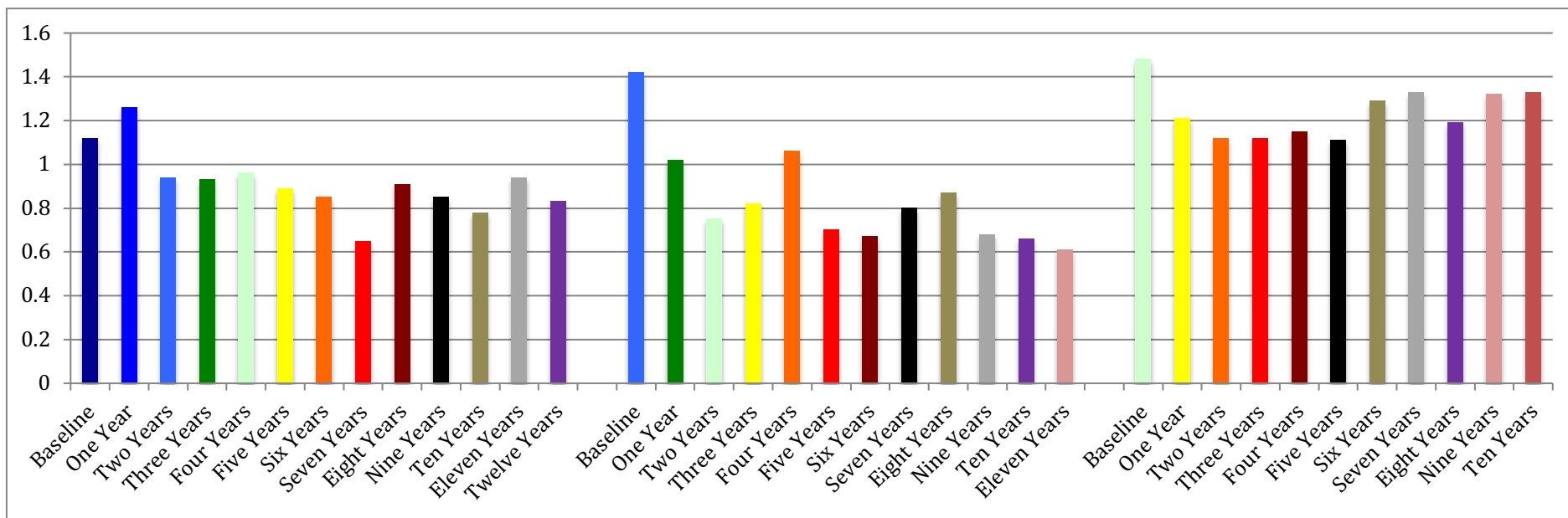
*Percentage of Families Collecting Wood from Kibale, Split by Start Date*

*Kaswa*

*Nabweya*



*Amount of Wood Used Per Family Daily (in Heaps), Combined Average*



*Amount of Wood Used Daily Per Family Daily (in Heaps), Split by Start Date*

*Nabweya*

## Appendix IV: Poetry, Wishes & Dreams

### Ugandan Poetry:

*A home of wonders and fantasies  
of flora and fauna  
that makes it look beautiful and fantastic  
that are of different species.  
The fluffy down of the seed pods.*

~~~  
*Remember to protect the wild animals  
An important aspect of the economy through tourism.  
Also remember hunting is illegal,  
Encroachment and bush burning are strictly prohibited.  
How can we live in harmony with you?  
We should completely stop finding comfort  
In settling in swamps and draining them in the name of constructing roads.  
Draining water sources to many folks over the nation to be struck by drought  
Yet we are the cause of it all.*

~~~  
*Our weather has been unpredictable  
Due to various forests such as Nabweya  
Which are partially being destroyed.  
It's high time we play our part:  
Where you cut one tree plant four  
In order for us to get predictable weather  
Suitable for our settlement and animals.  
Let us join hands  
And we live in harmony with our nature  
Because it is beneficial to us.  
My fellow Ugandans, listen to good news!  
How important nature is  
Our lives are protected by the environment.  
Living in harmony with nature:  
Oxygen we breath in, rainfall water we drink,  
Conducive environment and sunshine.  
Let us come together  
To protect nature  
That we are living in harmony.*



## **Kibale Wishes**

*I wish Kibale forest is a good forest where animals living together.*

*I wish Kibale forest to stay longer because it accommodates animals and plants. Young generations will use them for education purposes,*

*I wish Kibale forest must be having many elephants in future.*

*I want to see beautiful trees in Kibale Forest.*

*I wish that everyone should love Kibale forest.*

*I wish Kibale should have many monkeys.*

*I wish Kibale forest to be protected by people very well.*

*Elephants are really great and I wish to protect them for the best.*

*I wish to see all people around Kibale National Park are happy with it.*

*I wish to see all people protecting elephants very well.*

*Wishes Kibale forest to be well protected because of its good creatures.*

*Please let us love Kibale National Park.*

*To see more trees planted there so as it be impenetrable like Bwindi National Park because both are homes of primates.*

*I wish conservation for Kibale National Park can be the best across the world.*

## **Khao Ca Dreams**

*My dream is to become a nature protector.*

*I dream there are no hunting and no deforestation.*

*My home town have many trees and animals. I hope every people will not hunt animal. I hope my dream be true.*

*I dream to join monkey day. I dream that my dream will be true.*

*I will protect the Tonkin Snub-nosed Monkey, and I dream that I will be a ranger.*

*My dream is that the forest will be forever.*

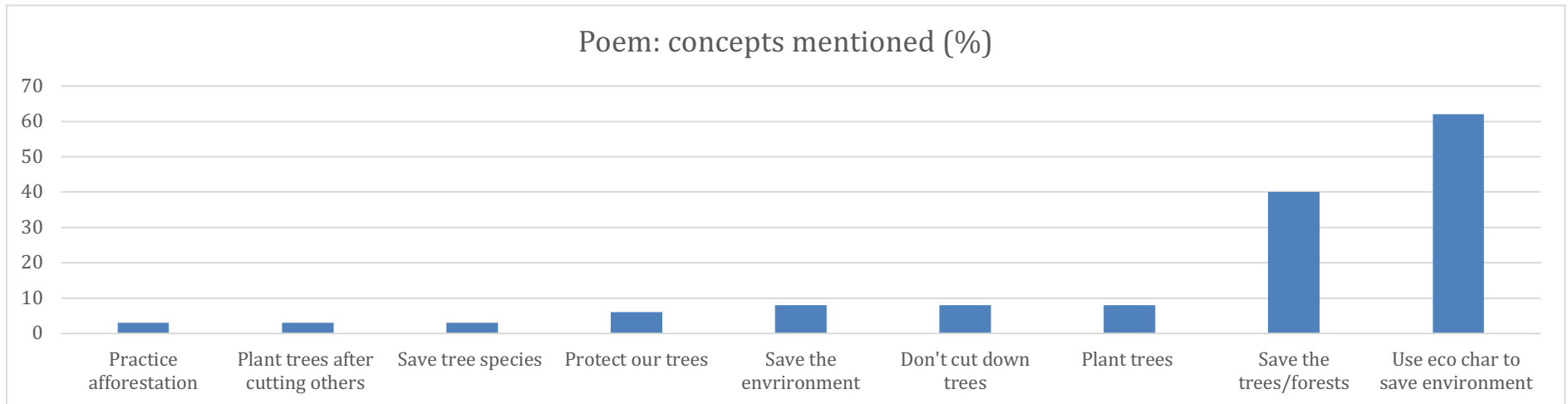
*I dream everybody will love Tonkin Snub-nosed Monkey like me.*

*I promise I will never cut down the tree or hunt animal, and will protect the forest and Tonkin Snub-nosed Monkey.*

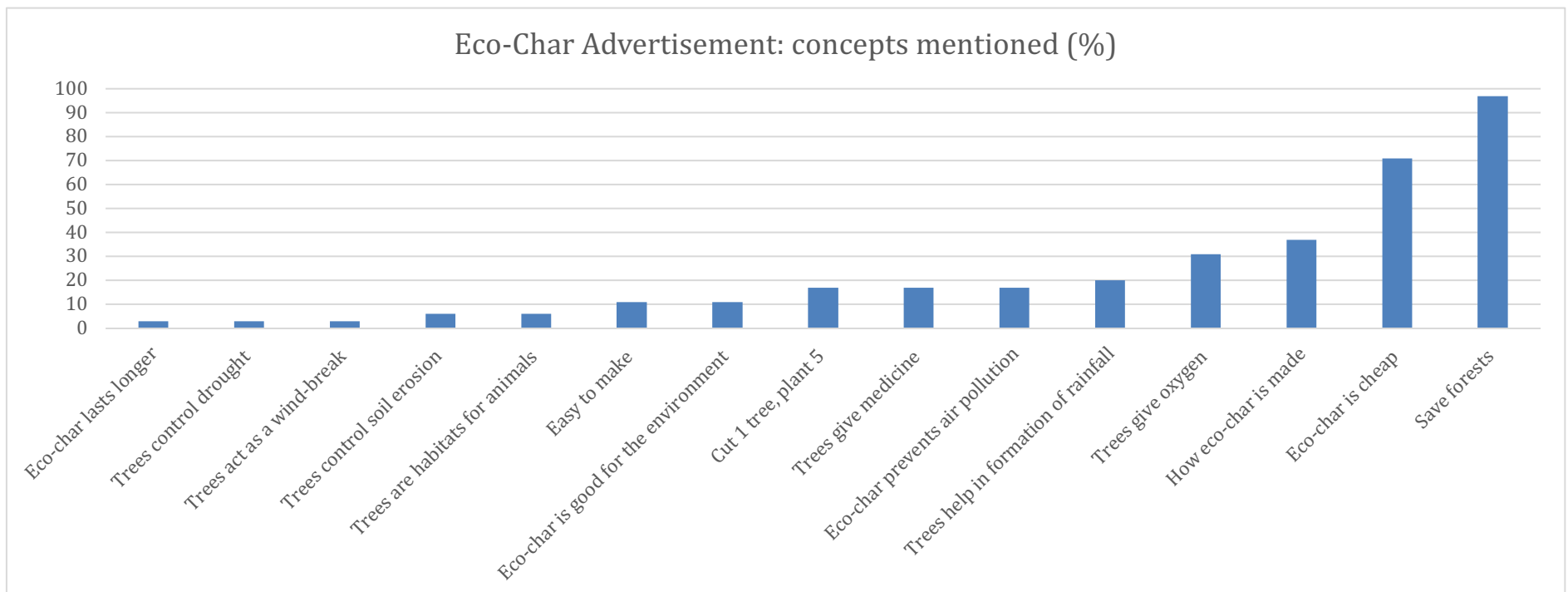
*I will not hunt the Tonkin Snub-nosed Monkey when I am mature*

## Appendix V: Poem & Advertisement Stats

After the first lesson in the charcoal curriculum (focusing on renewable and non-renewable fuels), participants were asked to write a poem about what they learned. These were used to analyze uptake of the concepts taught.

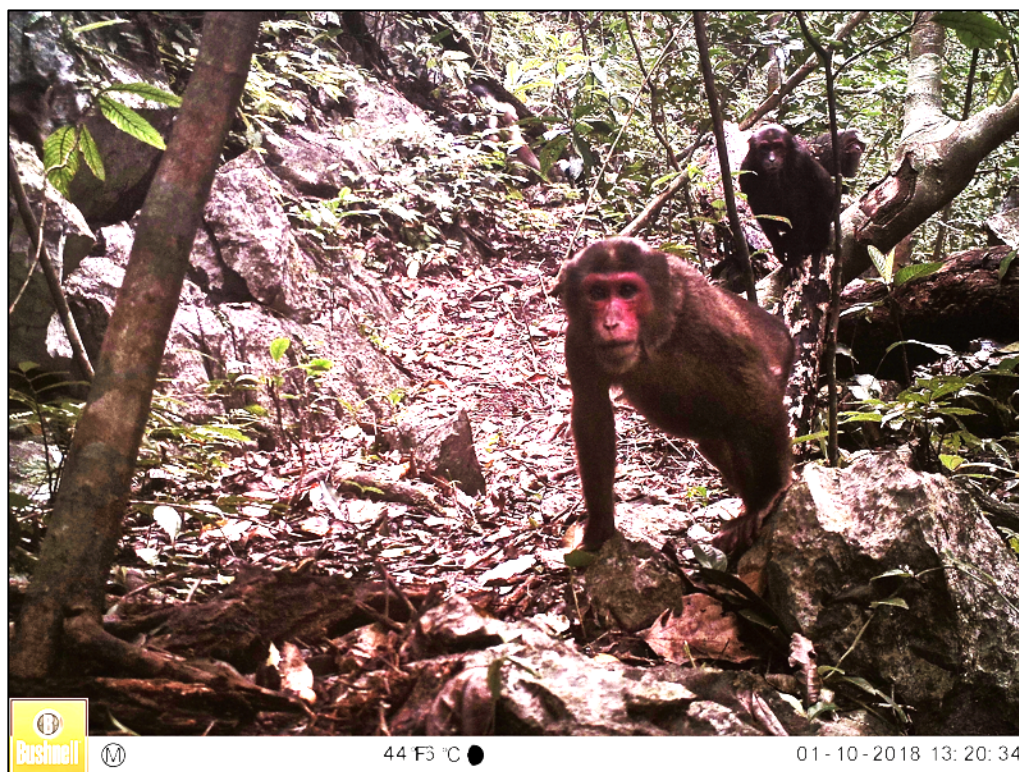


After the second lesson, participants were asked to draw an advertisement for eco-char, and these were also used for evaluation.

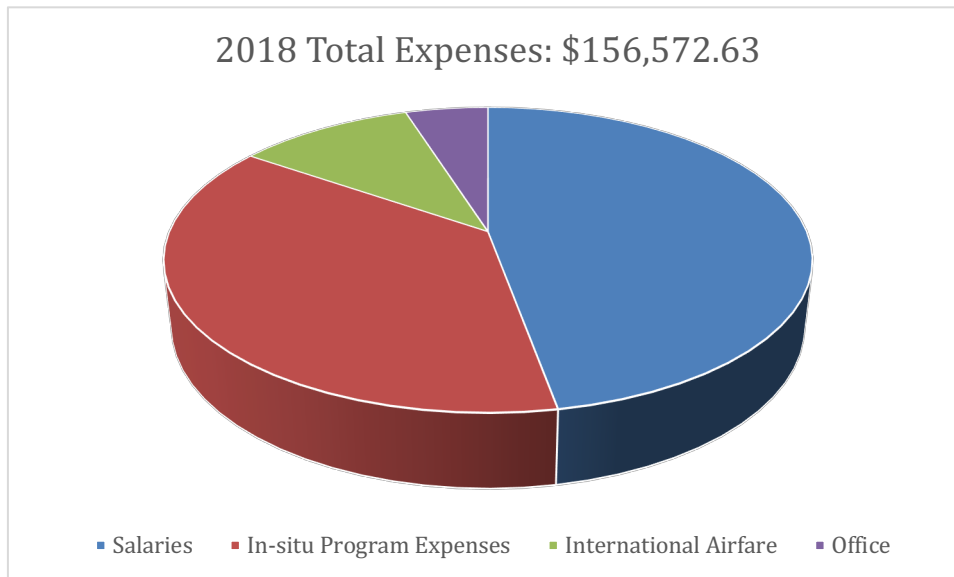
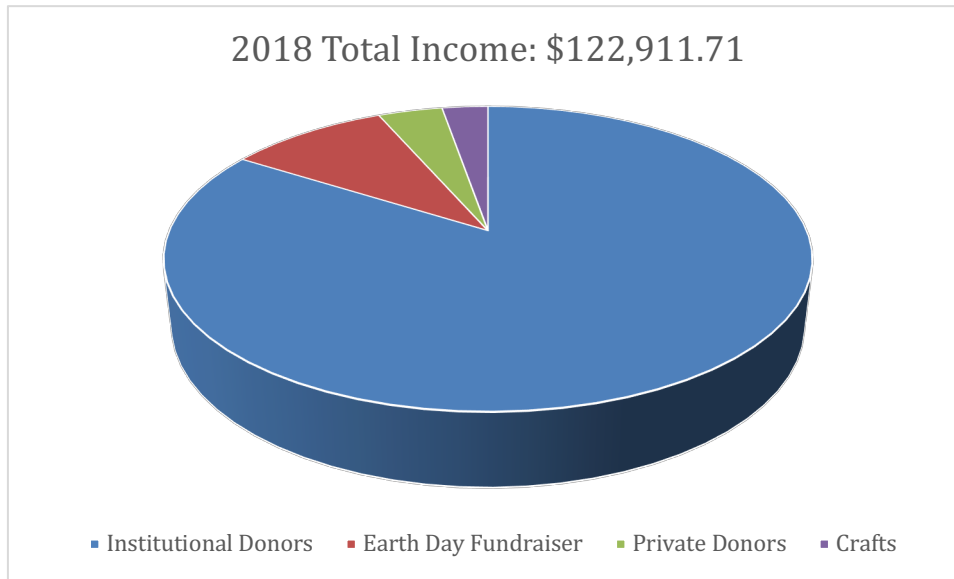


# Appendix VI: Animals seen on Khau Ca Camera Traps

Red Jungle fowl	<i>Gallus gallus</i>
Streak wren-babbler	<i>Napothera brevicaudata</i>
Long-billed thrush/Dark-sided thrush	<i>Zoothera monticola/Zoothera marginata</i>
Chinese black bird	<i>Turdus mandarins</i>
Rusty-naped Pitta	<i>Pitta oatesi</i>
Blue-naped pitta	<i>Hydrornis nipalensis</i>
Blue whistling thrush	<i>Myophonus caeruleus</i>
Slaty-bellied Tesia	<i>Tesia olivea</i>
White-tailed robin	<i>Myiomela leucura</i>
Woodpecker	
Gray-throated babbler	<i>Stachyris nigriceps</i>
Red-headed Trogon	<i>Harpactes erythrocephalus</i>
Tonkin snub-nosed monkey	<i>Rhinopithecus avunculus</i>
Stump-tailed macaque	<i>Macaca arctoides</i>
Assamese/Rhesus macaque	<i>Macaca spp</i>
Treeshrew	
Striped squirrel	<i>Tamiods spp</i>
Squirrel 1	
Squirrel 2	
Flying squirrel	
Brush-tailed porcupine	<i>Atherurus macrourus</i>
Civet	
Palm civet	
Chinese Ferret-Badger	<i>Melogale moschata</i>
Crab eating mongoose	<i>Herpestes urva</i>
Weasel	
Wild pig	<i>Sus scrofa</i>



## Appendix VII: Income & Expenses



Note: While expenses exceeded income in 2018, the balance was made up by non-restricted donations received in previous years.

## Appendix VIII: Budget Detail

2018 New Nature Foundation: Actual Spent		
<b>Uganda</b>		
Category		Amount (\$)
<b>A. Staff Positions</b>		
Director		\$35,087.50
Ugandan Manager		\$3,994.33
KECI Staff	10 full time	\$9,842.13
KFWP Science Center Staff	3 full time, 15 part time	\$8,630.52
KFWP Liaison Staff	5 part time	\$2,304.49
<i>Staff Total</i>		\$59,858.97
<b>B. Consultants/Contractual Services</b>		
Foreign Volunteers		\$766.91
<i>Consultant Total</i>		\$766.91
<b>C. Direct Program Costs</b>		
Video Shows		\$12.12
Science Centers	Kaburala, Isunga, Kaswa, Nabweya & Fort Portal	\$11,122.49
Annual surveys		\$316.28
Meetings		\$922.52
Training Workshop - Staff		\$2,052.00
Training Workshops - Community	Efficient stove, biomass briquette and family planning workshops. Also includes Botanic Garden and Chimp tours	\$7,552.57
Biomass briquette equipment	General maintenance on all equipment, small vehicle for briquette transport, storage	\$6,814.79
Annual Conservation Competitions	Kyanyawara, Isunga, Kaswa & Nabweya	\$3,988.51

Capacity Building	Alternative livelihood craft purchases, promotional materials in and ex-situ, fundraising, professional conferences, public lectures	\$3,711.66
Office	Internet, phone, mail, printing, website, tax fees, professional CPA	\$7,700.32
In-Situ Travel	Project vehicle, motorbikes & rentals	\$6,216.47
International Travel	6 roundtrip tickets & Visas	\$7,084.13
Food & Lodging		\$1,423.50
<i>Direct Pgm Total</i>		<b>\$58,917.36</b>
TOTAL UGANDA EXPENSES		<b>\$119,543.24</b>

<b>Vietnam</b>		
Meetings		\$2,832.02
International airfare	4 roundtrip tickets and visas	\$9,348.39
Vietnamese Salaries	Stove building manager, stove ambassadors and portion of the competition leader	\$3,928.15
Alternative livelihood	Craft purchases in Ha Giang Province	\$763.59
In country program expenses	Homestays, travel, stove building materials, workshops for stove building, general communications, surveys, etc.	\$5,961.23
Conservation competitions		\$4,055.74
Director medical		\$140.27
Director salary	`	\$10,000.00
TOTAL VIETNAM EXPENSES		<b>\$37,029.39</b>