



NEW



NATURE

FOUNDATION

Empowering Communities, Protecting Wildlife.

2019



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.

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Summary of Accomplishments, January – December 2019:

- 49,969 men, women and children visited the project's five Science Centers
- 20 workshops were conducted in Uganda focusing on fuel efficiency and family/career planning
 - Over 330,000 eco-briquettes were manufactured
 - Over 40,500 lbs. of waste was traded for briquettes
- 73% of families in NNF's Ugandan target areas and 23% in Vietnam are using efficient stoves
 - 68% of the Ugandan families grow firewood at home
- Families with efficient stoves use 56% less wood than those with traditional stoves in Uganda and 54% less in Vietnam
 - 399 stoves were built in Uganda and in 232 Vietnam
- Four conservation competitions were held in Uganda and two in Vietnam, with over 4,500 people attending

Overall, NNF's programs engaged more than 57,600 citizens around Kibale, more than 2,100 in Vietnam and saved more than 5.9 million pounds of wood in Uganda and 6.7 million pounds of wood in Vietnam in 2019!

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Thank you

for the vital role you
play in saving
wildlife habitat!
If you have
questions or
comments, please
contact us any time.





Eco-Briquettes

- 339,516 briquettes were manufactured (179,844 non-carbonized and 159,672 carbonized), a 10% increase over 2018, even with weather complications that severely damaged equipment.
 - 40,570 lb of waste was traded for briquettes.
 - The top family traded 4,959 lb of waste for 9,000 briquettes, an increase over last year and enough to cook with briquettes ~60% of the time.
 - McLeod Russel Tea purchased 42,000 non-carbonized briquettes (for \$720) to distribute to workers at their Kiko estate.
 - \$657 of Eco-Char (carbonized briquettes) was purchased.
 - Eco-Char's customer base increased 60%.

The briquettes produced in 2019 equate to **15,348 lb of charcoal and 98,914 lb of wood saved.**

Since inception, **over 1.5 million briquettes have been produced!** This equates to over 715,000 lb of wood and charcoal saved.

While much of this would have come from unsustainable sources, the briquettes are carbon neutral, so in addition to protecting wildlife habitat, NNF's Eco-Briquettes help us all by mitigating carbon emissions and climate change.

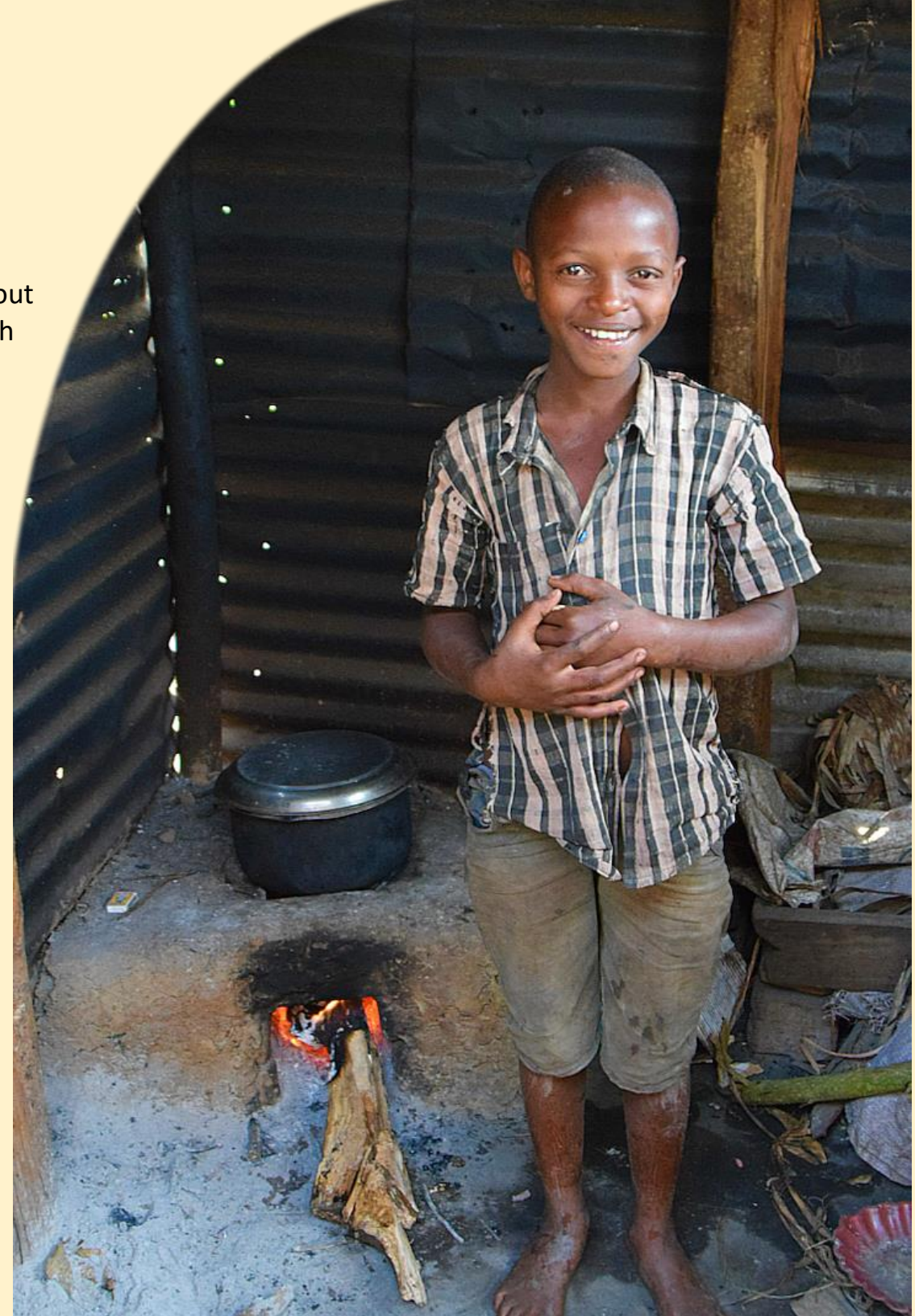
Stoves & Trees

- 73% of families in the target areas are using efficient stoves.
- An average family, combining those with traditional and efficient stoves, uses 1 heap (about 22 lbs.) of wood daily. Those with efficient stoves use 56% less wood than those with traditional three-stone fires.
- In 2019, community members built 399 stoves with assistance from NNF staff, a 138% increase over last year. In total, NNF has assisted in building over 2,610 efficient stoves since inception.
- Across all target areas, 68% of people now grow trees at home, 48% of whom grow the leguminous species being promoted.

According to 2019 survey data, NNF stoves save 15,994 lb of wood daily. This equates to **5.8 million lb of wood saved in 2019**, much of which would have been cut within Kibale National Park.¹

Even with this great savings, surveys show that most still struggle to find wood. This is linked to one major factor: Uganda's population growth is 3.3%, one of the highest in the world. According to the latest UN World Population Prospects, when NNF started this program in 2006 Uganda's population was 28.6 million; by 2019 it had reached 44.3 million, an increase of 55%. In comparison, the USA had a 10% increase in that time. While each family's need for wood has reduced thanks to NNF's programs, the demand has continued to increase, due to population pressures. Continued work is needed to bridge the gap.

¹ The actual amount may be much higher, since there are likely more stoves than we assumed here; 2017 surveys showed that 47% of existing stoves were built thanks to word of mouth, without help from NNF staff. We will be repeating that full census in 2020 to gain greater insight and more detail on wood savings.





Science Centers, Workshops & Videos

- Attendance at the five Kibale Science Centers was 49,969 in 2019, a 17% increase over last year and the highest yet.
- Six schools organized trips to Fort Portal Science Center.
- 29 experiment demonstrations were conducted in Fort Portal. These involve chemical reactions, physics, lasers, circuits and other fun equipment and have become very popular with both staff and visitors.
- 20 community training workshops were conducted focusing on wildlife, fuel efficiency and career/family planning, with a total attendance of 1,717 people. This is the highest workshop attendance to date, primarily thanks to demonstrations staff conducted for large crowds at events for Earth Day and World Wildlife Day.
- Due to equipment and weather complications, only 10 video shows were held in 2019. Attendance remained high, with an average of 291. New wires and projectors have been purchased and we look forward to more successful video shows in 2020.

Please continue to support the Science Centers: shop and share our [amazon wish list](#) so that we can continue to fill the museums with amazing things!

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).



A young boy is the central figure, performing a dance. He is shirtless, wearing a bright orange strapless top and a large, bushy skirt made of dried grass or straw. He has a green beaded necklace and a colorful patterned cloth around his waist. His arms are outstretched, and he has a focused expression. In the background, a large crowd of people, mostly children, are watching the event in a grassy field under a cloudy sky. Some people are standing, while others are sitting on the ground. The overall atmosphere is festive and communal.

Conservation Competitions

The theme for the 10th annual Kibale Conservation Competitions was “Chimpanzees: Past, Present & Future.” Over 2,800 people attended the four events.

Activities included:

- The ever-popular Efficient Bean Cookoff, with 50 chefs participating.
- Numerous drawing contests: best elephant, best NNF t-shirt design, best eco-char advertisement.
- Strong Person competition: Timed obstacle course, carrying 50 lb of wood and then again with 25 lb, showing how much easier life is with an efficient stove. This

year's courses were more creative (and difficult!) than any previous incarnation – videos soon to be posted at NewNatureFoundation.org.

- Recycled Fashion Show: A first at this year's competitions, participants designed some amazing looks using only rubbish and plants.
- Group poetry, song and dance competitions, using traditional artforms to showcase the theme.

“How are chimpanzees like us?”

- Because they are omnivores*
- They care for their young ones like people*
- They dream like people*
- Both have no tail*

How are chimpanzees different from us?

- They do not wear clothes like us*
- They have a lot of hair on their bodies*
- They have a bigger nose*
- We don't use our arms to walk*
- People build houses*
- They eat raw food while humans cook”*





Vietnam

NNF partners with Denver Zoo for our programs in Vietnam. NNF's expertise with stoves and community gatherings harmoniously compliments Denver's education and research work. Only NNF's activities are reported here.

- 232 stoves built in Tung Ba, Yen Dinh, Minh Son and Thuong Tan communes, an 11% increase over 2018.
- In total, 689 stoves have been built since 2015. Together, they saved more than 6.7 million lb of wood in 2019.
- Surveys reveal that an average family using only rocket stoves for all their needs consumes 17,231 lb of wood each year, 52% less than those who use only traditional hearths. The full story is more complex, of course, as most families use both traditional and rocket stoves, and some have electric rice cookers and gas as well. The data continues to prove that the design is efficient, and we continue to collect and analyze more, to further fine tune this aspect of the work.

- This year's survey included the amount of wood used for distilling rice wine, something that every family does to varying degrees. An extremely wood-intensive process, this, along with daily cooking for pigs, is a large driver of deforestation.
 - On average, a family using a traditional stove consumes 60 lb per batch of rice wine (between once and 30 times each month) and 54 lb daily cooking for pigs. The average amount of wood used for distilling wine or cooking for pigs with a rocket stove is 50% less. This is why, though NNF has built far fewer stoves in Vietnam than in Uganda, the Vietnamese stoves are actually saving more wood, in total.
 - 23% of those surveyed use rocket stoves, a slight decrease from last year; this might be explained by the fact that stove ambassadors have started ranging farther from their homes to remote areas to find more families interested in building stoves. Transport of materials, training and follow up are more challenging in these circumstances. Further analysis of the GPS data and continued data collection is planned for the near future.
 - The first female stove ambassador was hired in 2019 (Mrs. Mien, on the left in the photo on page 12). Hopefully, this will help compel more women to partner with the project and improve the spread of the efficient stove technology.
 - The alternative livelihood program is growing, with more citizens trusting the interactions and taking part in continued relationships. Craft sales are 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 wildlife.
 - Camera traps in Khu Ca Forest documented 16 species including 5 birds and 11 mammals. Two new, rare mammals were recorded on our cameras for the first time: Leopard Cat and Spotted Linsang. Additionally, for the first time, the camera traps recorded of series photos of a TSN Monkey on the ground.
- (Photo at right courtesy of Luu Tuong Bach)*





Monkey Day

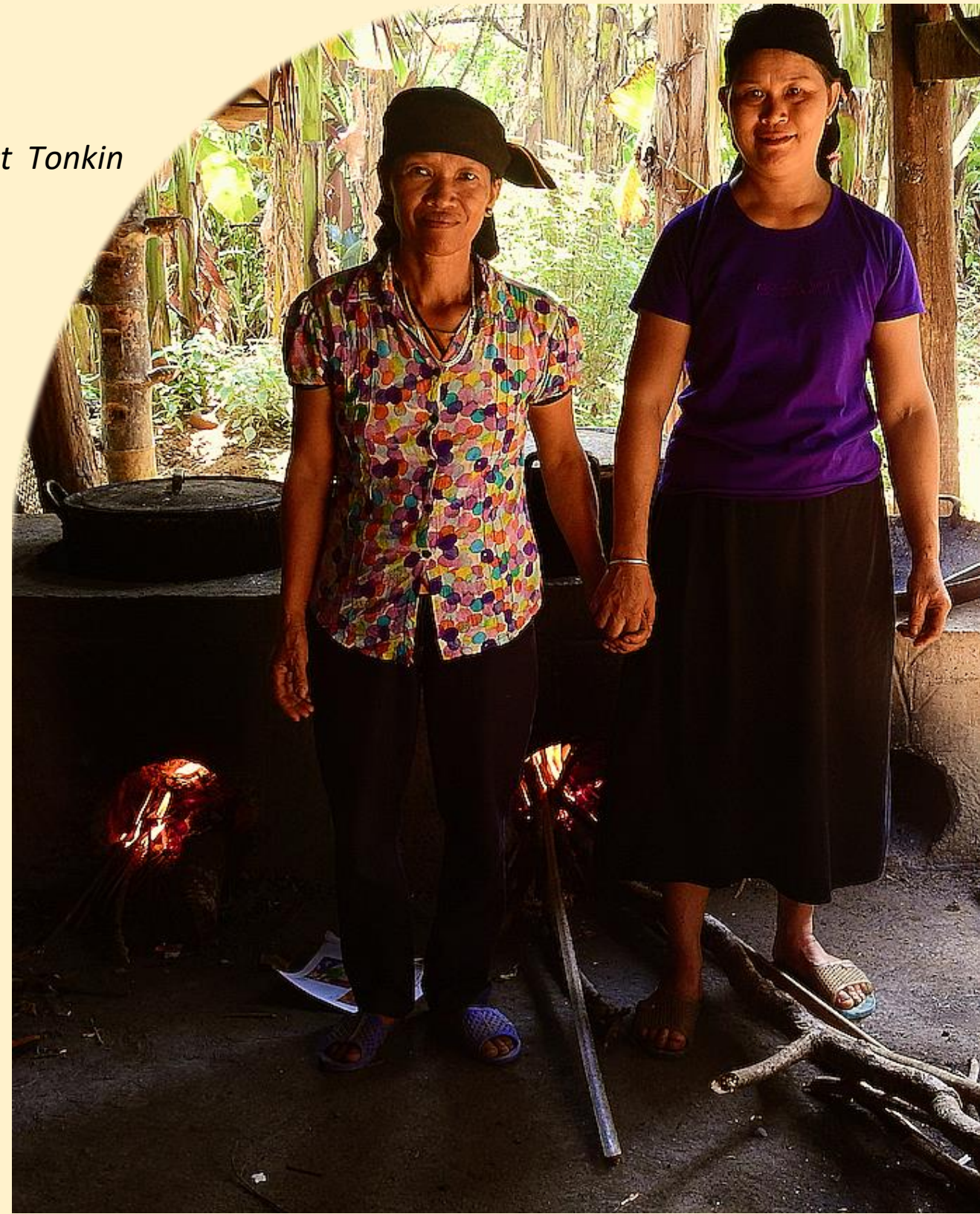
Modeled after the hugely popular conservation competitions in Uganda, NNF and Denver Zoo partnered to bring similar celebrations to two of our target areas in Northern Vietnam. Now in their third year, Monkey Day has become highly anticipated by community members just as the celebrations in Uganda are.

Activities included spinning wheel trivia, drawing competitions, dream trees, art from nature and other recycled items, sewing messages of conservation, strong person to prove the efficiency of the rocket stoves, and song and dance for the forest and the Tonkin Snub-nosed Monkey.

***“What 4 things does the Tonkin Snub-nosed Monkey need to live?
Tree, food, family, son and daughter***

***Why do we need to protect the Tonkin Snub-nosed Monkey?
Because Tonkin Snub-nosed Monkey is very rare and specific animal.”***

*"I dreaming everyone will consciously protect the forest, protect Tonkin Snub-nosed Monkey
I dream people don't trade Tonkin Snub-nosed Monkey anymore
I dream of having a green world
I dream that when I grow up, I will become a conservationist
I hope you don't hunt Tonkin Snub-nosed Monkey"*





Publicity & Partnerships

Co-Founders Rebecca and Michael lectured at Columbus Zoo and Aquarium, Kohelet Yeshiva, Oakland Zoo, Philadelphia Zoo, St. Joseph's University and Virginia Zoo; NNF staff presented at the African Primatological Society conference in Entebbe; Rebecca co-authored an article in the International Zoo Educators journal, "Building Community Conservation Capacity in Northern Vietnam" and co-led the Tonkin Snub-nosed Monkey Planning Workshop in Hanoi; NNF published English and Rutooro versions of "The Primates of Kibale."

Several talks are planned for 2020 – if you'd like to visit us in Uganda, host a fundraiser or simply let your friends/members know about the important conservation and community empowerment work you're supporting in Uganda and Vietnam, please get in touch.

Thank you for partnering with NNF in 2019!

Thank You!



...and many private donors- thank you all!