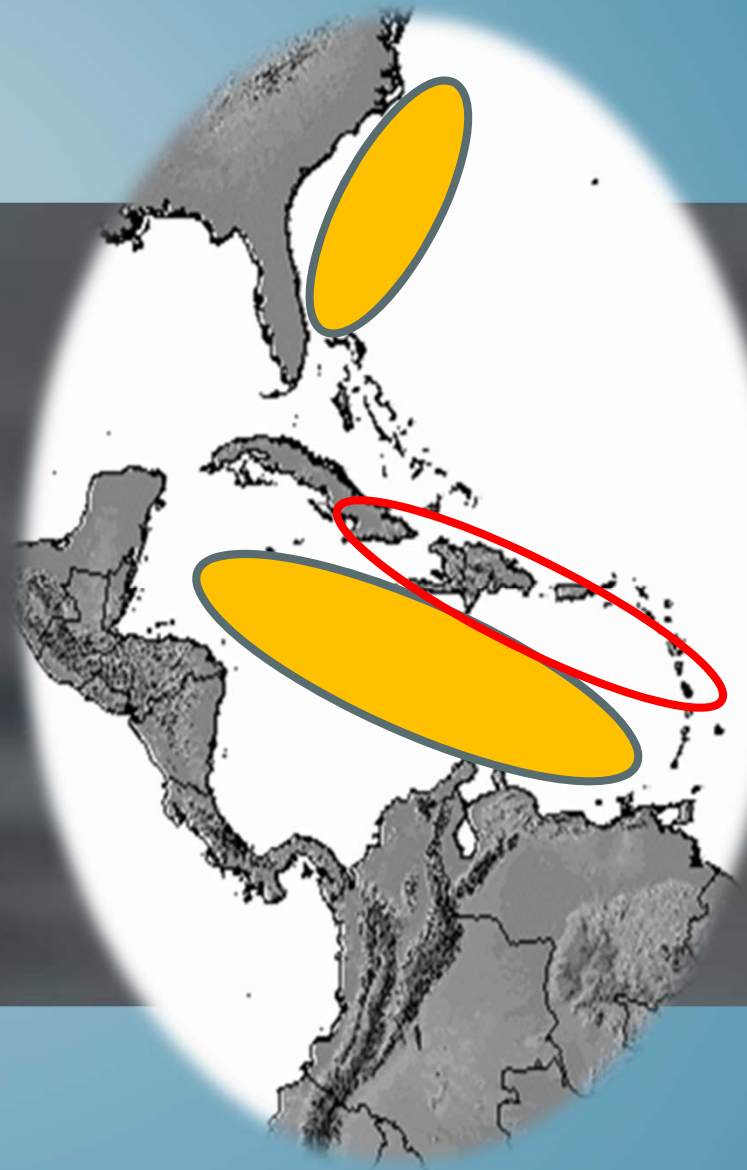


HOW HUMAN POVERTY ALLEVIATION IS SAVING THE BLACK-CAPPED PETREL FROM EXCTINCTION



Anderson Jean and Adam C Brown Environmental Protection in the Caribbean

Black-capped Petrel Range



Tubenoses Project Copyright © Hadoram Shirihai



Nesting Range



Foraging Range

THREATS



Copyright James Goetz



Black-capped Petrel Expeditions on Hispaniola



All Photos Copyright James Goetz



Population Trends and Estimates on Hispaniola 2012-2017



Cordillera Central: Downward Trending (-26)

Sierra de Bahoruco: Downward Trending (-655)

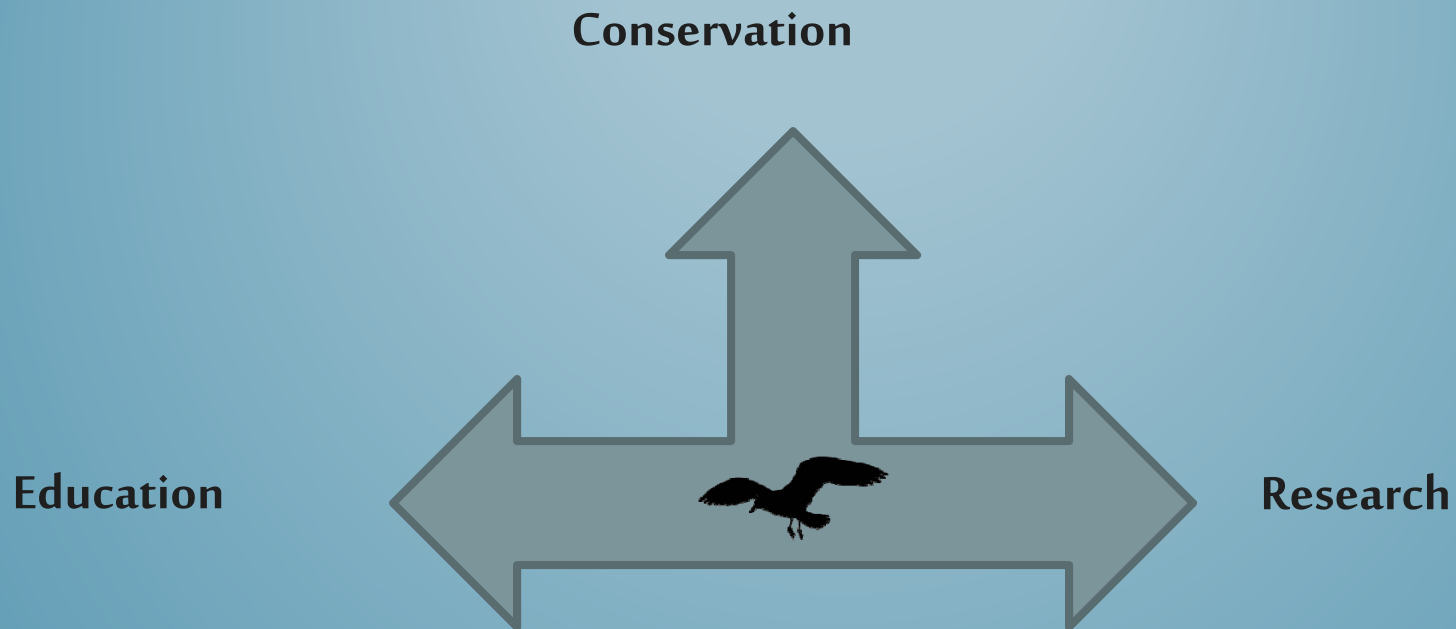
Massif de la Selle: Upward Trending (+759)

OVERALL POPULATION TREND: UPWARD (+78)

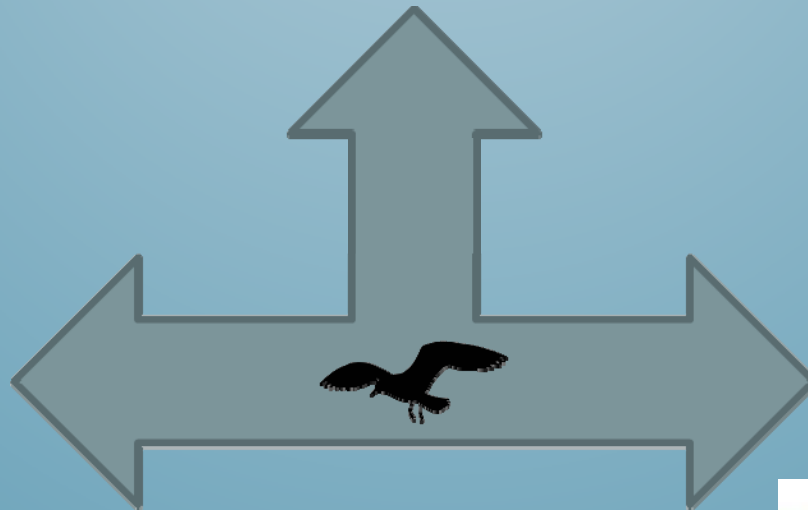
Nesting habitat for the Black-capped Petrel



To address the decline of the Black-capped Petrel population, we have taken a **THREE-PRONGED APPROACH**



On the ground partners are playing a critical role in the day to day efforts of the conservation work in the border region between Haiti and the Dominican Republic. Each organization is taking a leading role in one of the THREE PRONGS.



Research

Aspects of research include:

- Radar for population monitoring
- Song meters to locate new colonies
- Nest monitoring for monitoring breeding success
- On the ground nest searching



Nest monitoring in the Boukan Chat area is critical as the nest colony is found within meters of farming locations. It allows the team to follow the affects that human behaviors are having on nesting petrels.



A Success Story!

In 2013, the radar team detected petrels flying up the Rio Ocoa drainage in the Cordillera Central, Dominican Republic. Following this discovery, the team deployed song meters at numerous locations, finally hearing petrels in 2016 near Valle Nuevo National Park. In 2017, the team located the first petrel nests ever known in this mountain range



Education

Two of our team educators visit Boukan Chat each month and visit every school in the region with our petrel mascot. We have created a syllabus and workbook in kreyol that includes hands on labs that help youth understand the WATER CYCLE, IMPORTANCE OF PLANTS, and SOIL CONSERVATION.



Our main goal with youth education in Haiti is to have the children understand the basics of earth ecology and how that ecology is affected by human use of the land. This connection is imperative as most of the youth will become farmers, and the more they understand how their practices affect the local environment the better chance they will farm more sustainably.

SOIL ECOLOGY



SCHOOL PLANT NURSERY



CONSERVATION through poverty alleviation

Our goals are to:

- Conserve water in the soil
- Reduce soil erosion
- Increase crop production
- Enlarge forest buffers around petrel colonies
- Improve human quality of life in local communities



Planting with compost



Tree Planting



Collecting water in cisterns

Village Savings and Loans Groups (VSLG)



To incentivize farmers in the border region to farm more SUSTAINABLY as well as to increase CROP YIELDS in turn increasing local INCOMES, we are working with citizens to create farmer organizations that together sign a contract with our team.

We provide:

- agriculture loans
- Training on water, soil, plant conservation
- Infrastructure (nursurries/cisterns)

The groups provide:

- Use learned sustainable farming practices
- Plant native trees in buffer zones
- Pay back loans



Save the Forests – Save the Petrels

Our number one goal is to preserve the last remaining forests in Haiti. We are doing so by improving the lives of citizens who live near these forests.



Cistern Art

As part of our contract with the VSLG's, we have one member of our team, an artist and scientist named Jose Luis Castillo, paint each new/repaired cistern with an image of the petrel. This brings the bird into the community and creates a visual connection between sustainable farming and the petrel



Sponsoring the Soccer Squad

As part of our effort to bring the petrel into the community, the village soccer club is now sponsored by our conservation team. As a part of this sponsorship, the team name is the 'Diablotins' and the uniforms are emblazoned with an image of the petrel.





Telling the Story: *'SAVE THE DEVIL'*



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[TEAM](#)

[GET INVOLVED](#)

[BLOG](#)

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This is the story of two families fighting for life.

One is a family of Haitian farmers struggling daily to feed their children. And one is a family of birds on the brink of extinction living in one of the last places on earth they can hide.

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WHATS NEXT?

NEST CAVITIES to increase available nest options



INCREASE the amount of farmer groups in the VSLG program



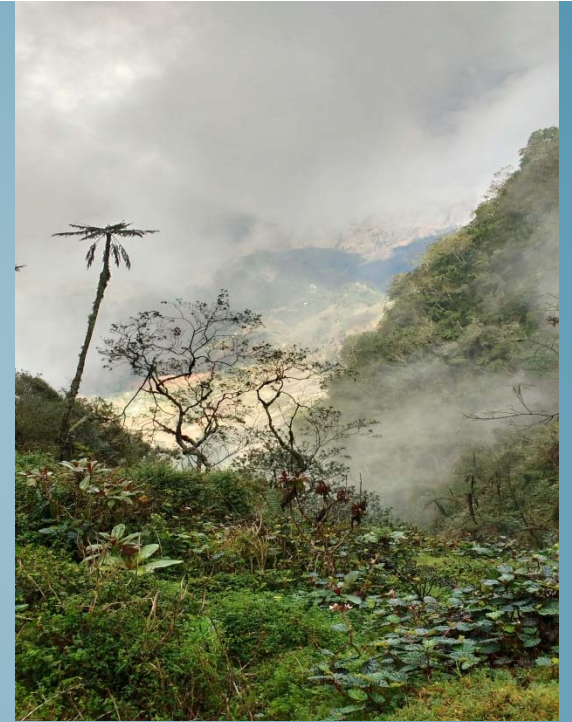
START an annual parade in Boukan Chat that celebrates the petrel and other iconic wildlife and habitat in the region





Boukan Chat, Haiti

Moving the model



Seguin, Haiti



THANK YOU

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- Birdlife International
- Plant with Purpose
- Grupo Jaragua
- Conservation Metrics
- Soulcraft AllStars
- James Goetz
- James Tietz
- Elias Elias
- Jennifer Wheeler
- Disney Worldwide Conservation Fund
- American Bird Conservancy
- US Fish and Wildlife Service

