

INTEGRATING NESTING HABITAT RESTORATION WITH AT-SEA INDIVIDUAL-BASED BIOMONITORING OF THE ENDANGERED *PTERODROMA CAHOW* ENDEMIC TO BERMUDA



L. Campioni, J. Madeiros, JP. Granadeiro, I. Marengo, J-P. Rouja, M. C. Silva

PRESENT

1600
CONSIDERED EXINCT
FOR 300 YEARS

1951 – REDISCOVERED
18 NESTING PAIRS -

1960 - A RECOVERY
PROGRAMME IS
IN PLACE -

2019 - BREEDING
POPULATION AT
131 PAIRS -

IS THE ENDANGERED CAHOW EXPOSED TO ANTHROPOGENIC CONTAMINANTS PRESENT IN THE OCEAN?

The present Conservation Project aims to:



Identify the foraging distribution and trophic niche of adult birds during the breeding season (combining GPS-tracking and Stable Isotope Analysis of blood and feathers)



Investigate whether birds are exposed to Persistent Organic Pollutants integrated with the diet (analysing blood samples to determine levels of DDT, PFOS, PCB, etc.).



Understand whether the high proportion of INFERTILE/FAILED EGGS is related to the concentration of bioaccumulated contaminants (e.g. DDT/DD has toxic effect causing egg-shell thinning) and/or to bird breeding experience



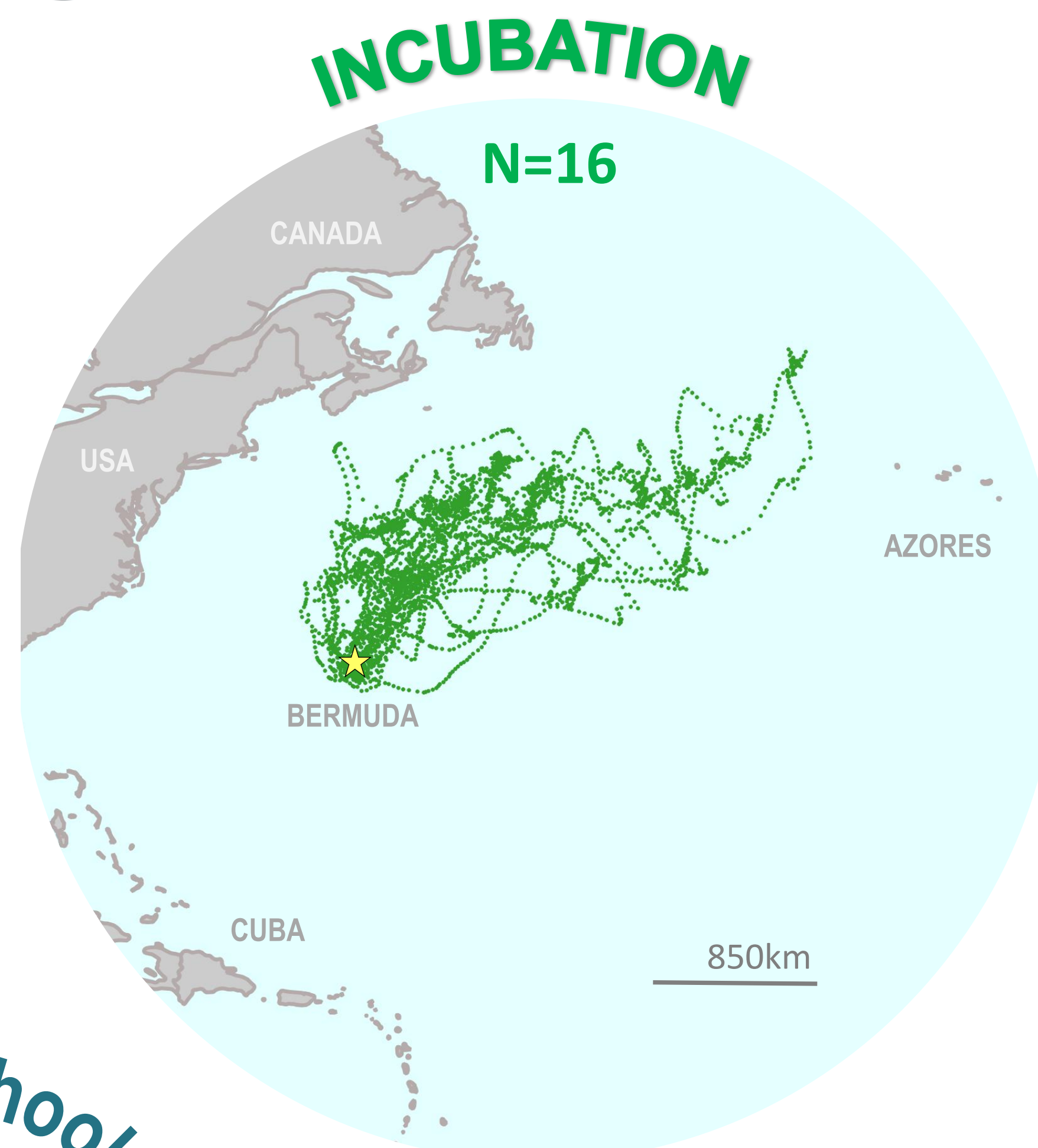
Develop educational activities in schools and rise public awareness for an active conservation



NONSUCH EXPEDITIONS
32° 20' 52" N BERMUDA 64° 32' 48" W

LOCALLY KNOWN AS
CAHOW

FIRST FORAGING TRIPS EVER
RECORDED FOR BREEDING
CAHOWS
(Breeding season 2019)



High school



Students determining sex
of Cahows

Primary school



Children learning about
seabirds



BRINGING THE CAHOW STORY AT SCHOOLS TO
PROMOTE OCEAN LITERACY

HELP TO PROTECT THE CAHOWS BY
SUPPORTING OUR
PROJECT!

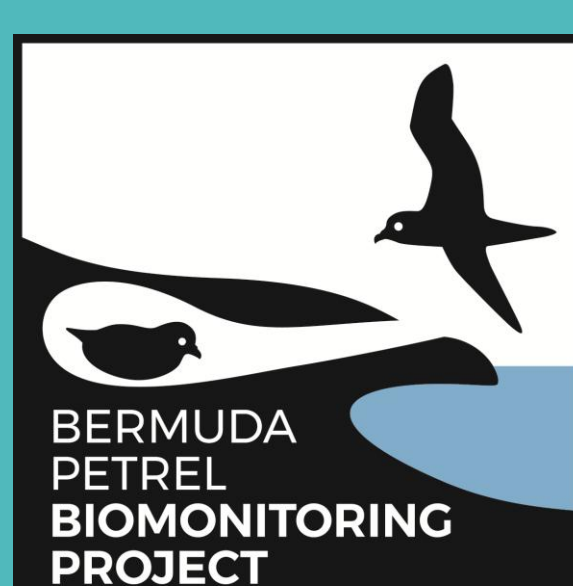
Funding



@letiziacampion1

letiziacampioni@hotmail.com

<https://sites.google.com/view/bermuda-petrel-monitoring>



NONSUCH EXPEDITIONS
32° 20' 52" N BERMUDA 64° 32' 48" W

GOVERNMENT OF BERMUDA
Department of Environment and Natural Resources



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