



# Area-based NBSAP Target Setting: Alliance for Zero Extinction as a Case Study

Benjamin Skolnik, American Bird Conservancy  
Chair, Alliance for Zero Extinction

## Strategic Goal C: To improve the status of biodiversity by safeguarding ecosystems, species and genetic diversity



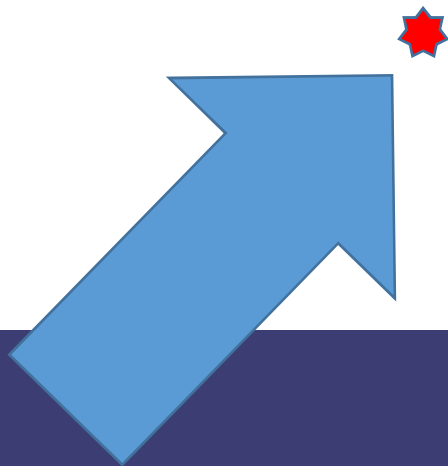
**Target 11:** 17 per cent of terrestrial and inland water, and 10 per cent of coastal and marine areas conserved.

**Target 12:** Extinction of known threatened species avoided.

# ALLIANCE FOR **Zero Extinction**

## **Halt imminent extinctions**

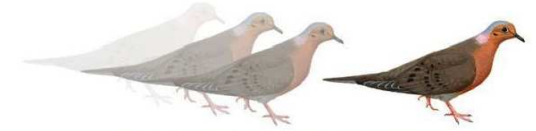
by protecting highly threatened species that are confined to a single site.



Aidan Keane



**GLOBAL ALLIANCE:**  
**94 Members / 32 Countries**



The Island Endemics Foundation



FAIRCHILD TROPICAL BOTANIC GARDEN  
Exploring, Explaining and Conserving the World of Tropical Plants



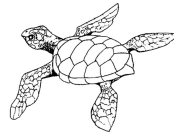
Preventing Extinctions







Nature Protection Trust  
of Seychelles



Lubee Bat  
CONSERVANCY



CONSERVATION  
INTERNATIONAL



Sociedad Ornitológica  
de la Hispaniola





HUMANE SOCIETY INTERNATIONAL



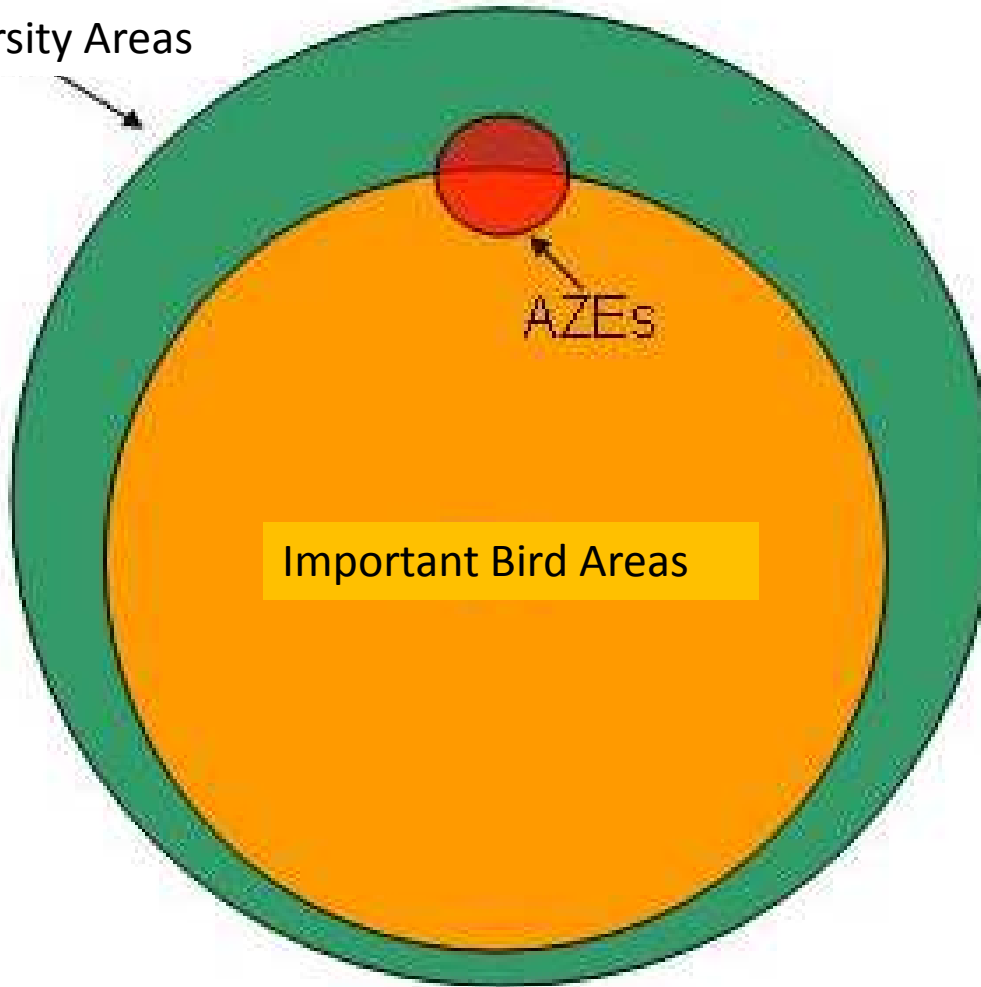
# **ALLIANCE FOR Zero Extinction**

**AZE is a:**

- 1. List of sites which contain the global population of at least one EN or CR species.**
- 2. Conservation decision support tool**
- 3. Network of >150 member institutions**

# Overlap with other conservation priorities

Key Biodiversity Areas

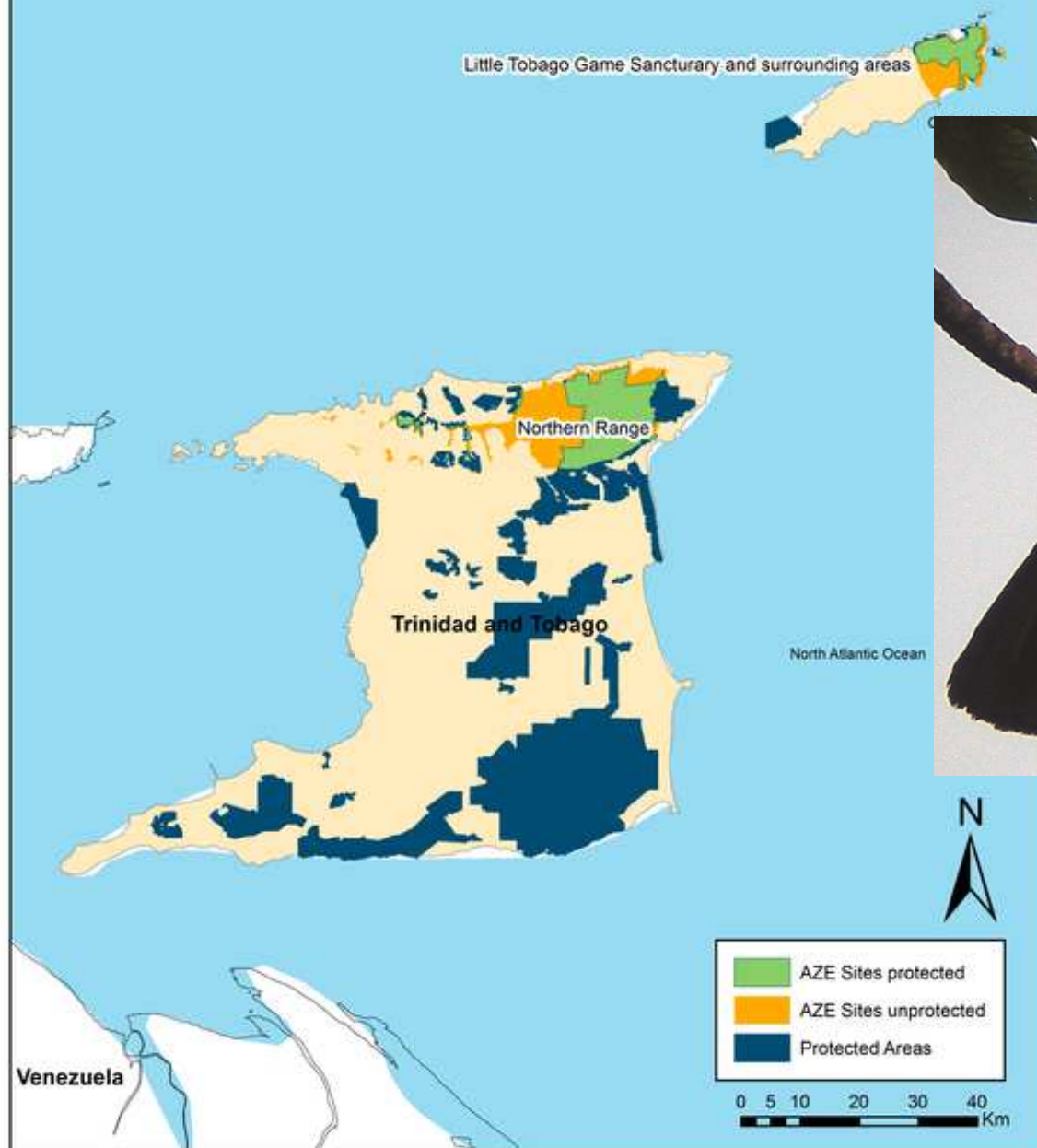


ProAves

ALLIANCE FOR  
**Zero Extinction**



## AZE Sites and Protected Area Coverage of Trinidad and Tobago



Alan Horsup



588 sites and 920 species (2010)

WWW.ZEROEXTINCTION.ORG



# Key Questions for NBSAPs

1. What percentage (%) of these areas important to biodiversity are protected currently (KBAs, IBAs, AZEs)?
2. How much of these areas need further protection?



# AZE Sites

Country	AZE Sites
Mexico	68
Colombia	46
Peru	36
Indonesia	31
Ecuador	29
Brazil	27
China	23
Madagascar	21
Australia	17
Cuba	17
India	17
USA	16

ALLIANCE FOR  
**Zero Extinction**



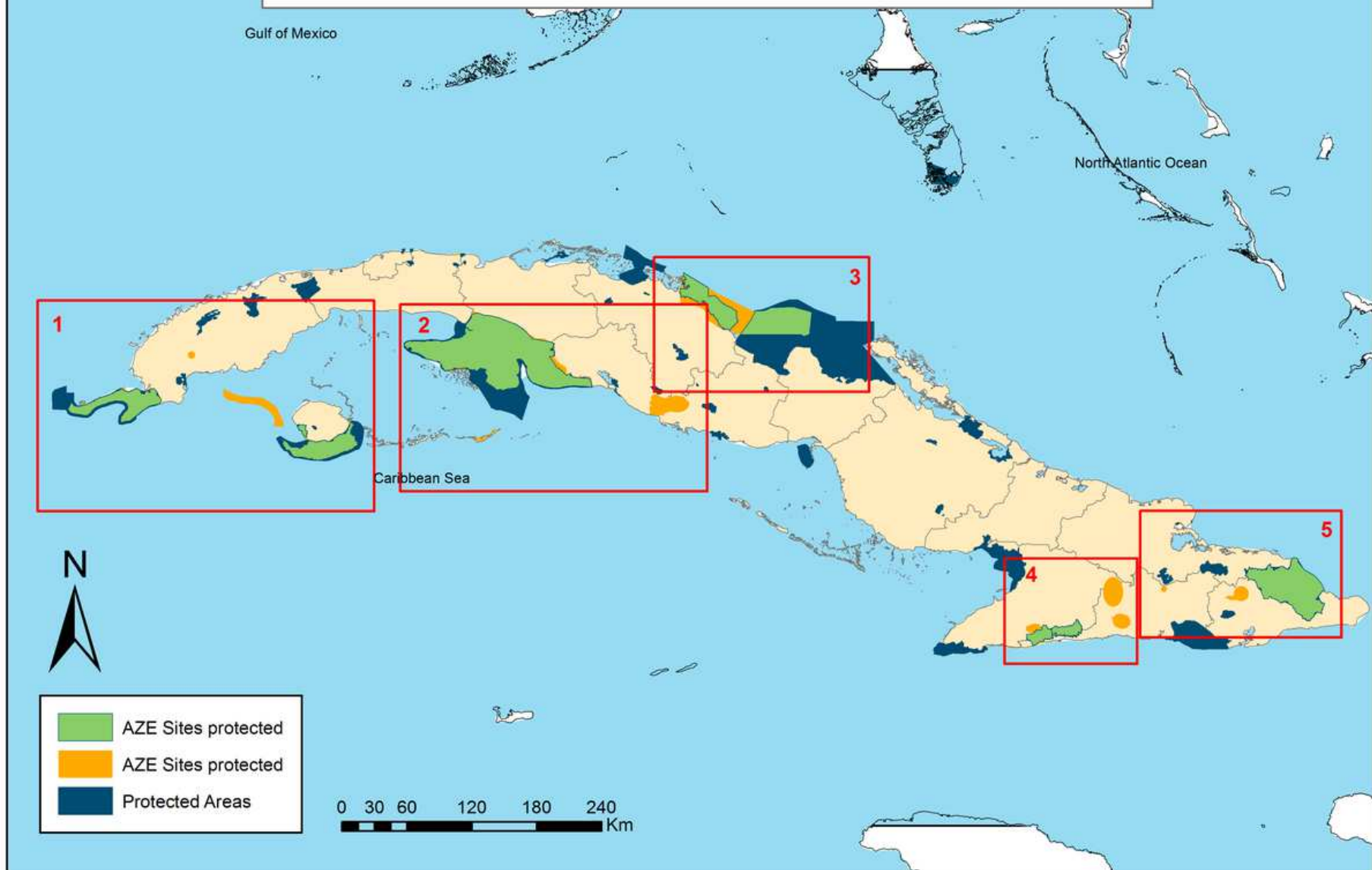
# AZE Area Protected

Country	Area AZE Sites (km2)	Area Protected (km2)
Afghanistan	307	0
Angola	2418	0
Argentina	85591	53963
Armenia	827	185
Australia	11470	11444
Austria	16	0
Bermuda	7	1
Bolivia	25806	24351
Brazil	46324	28444
Cameroon	9891	2784
Canada	22908	13505
Cape Verde	10	0
Chile	790	176
China	37833	28683

# AZE Sites Protected within a Country

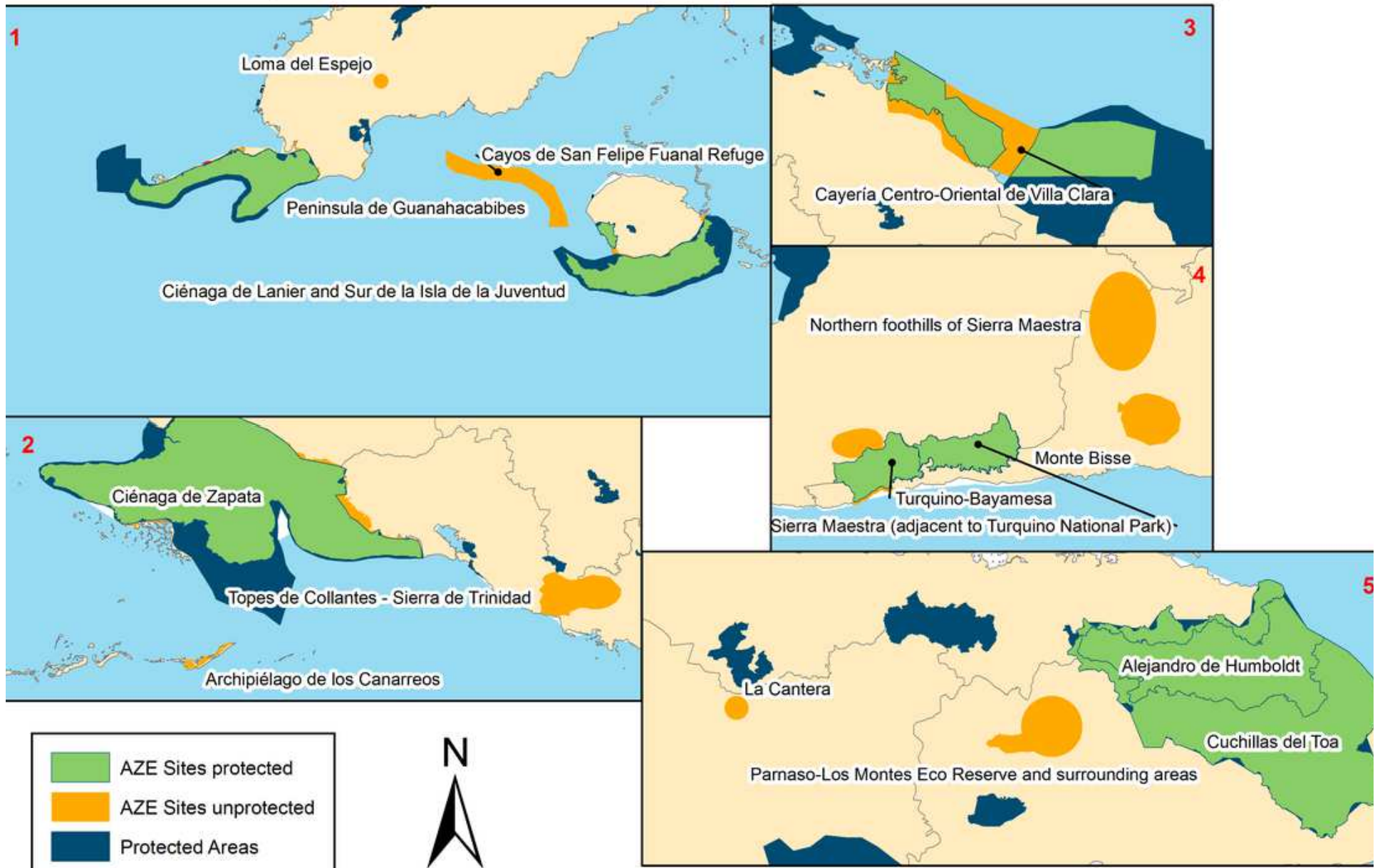
Country	AZE Area (km2)	Area Protected (km2)
<u>Argentina</u>		
14 km west of Saladas	152	0
Agilares	1209	0
Bolson de Pipanaco	770	0
El Colorado	2294	0
El Ingenio stream and tributaries	386	0
Meseta de Somuncura	78338	53943
Pueblo Nuevo	19	19
Quebrada del Condorito National Park	1292	0
Southwest of Laguna Blanca National Park	279	0
Valley of Tafi	373	0

# AZE Sites and Protected Area Coverage of Cuba



Sources: IUCN and UNEP-WCMC (year), The World Database on Protected Areas (WDPA) [On-line]. Cambridge, UK: UNEP- WCMC.  
 Available at: [www.protectedplanet.net](http://www.protectedplanet.net) [Accessed 29/05/2013]  
 Alliance for Zero Extinction (2010). 2010 AZE Update. [www.zeroextinction.org](http://www.zeroextinction.org)  
 VLIZ (2012). Intersect of IHO Sea Areas and Exclusive Economic Zones (version 2). Available online at <http://www.marineregions.org/>  
 World Administrative Divisions. By Esri, DeLorme Publishing Company, Inc. / Map by: Ian Martin

# AZE Sites and Protected Area Coverage of Cuba





# How to include AZE in NBSAPs

## Objectives

1. Review Draft AZE Map
2. **Complete AZE Gap Analysis** (*which sites are already protected by national protected areas*)
3. Add to NBSAP a Map of AZE Sites Needing Protection
4. Repeat process for IBAs and KBAs

# ALLIANCE FOR **Zero Extinction**

Contact: [bskolnik@abcbirds.org](mailto:bskolnik@abcbirds.org)

W W W . Z E R O E X T I N C T I O N . O R G



# ALLIANCE FOR Zero Extinction

Pinpointing and conserving epicenters of imminent extinctions

587 Sites  
920 Species

[Home](#)[Overview](#)[Sites & Species](#)[Search Sites & Species](#)[Policy](#)[Partners](#)

**WELCOME** Formed in 2000 and launched globally in 2005, the **Alliance for Zero Extinction** (AZE) engages 75 non-governmental biodiversity conservation organizations [working](#) to prevent species extinctions by identifying and safeguarding the places where species evaluated to be Endangered or Critically Endangered under IUCN-World Conservation Union criteria are restricted to [single](#) remaining sites. The map below shows 587 sites for 920 species of mammals, birds, amphibians, reptiles, conifers, and reef-building corals, providing a tool to defend against many of the most predictable species losses.

[News](#)[Join AZE](#)[FAQ](#)[Contact](#)

## Explore AZE Sites in Live Map

[Click Here](#)

Country-based initiatives, or national **Alliances for Zero Extinction**, have begun to take shape recently representing [partnerships](#) of government agencies and non-government organizations to accelerate the protection of AZE sites in compliance with national commitments under the Convention on Biological Diversity.

[AZE map](#)[Search sites & species](#)[AZE Partners](#)

WWW.ZEROEXTINCTION.ORG



## Further Benefits of AZE Sites

1. Climate change mitigation through avoidance of CO<sub>2</sub> emissions from deforestation,
2. Freshwater services to downstream human populations,
3. Option value for future use and benefit,
4. Cultural diversity

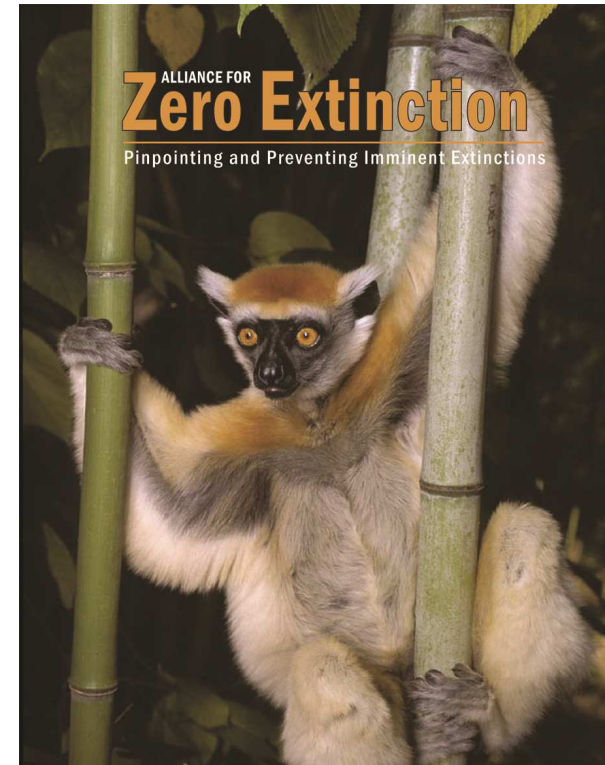
Larsen, F., Turner, W., and T. Brooks  
PLoS One (2012)





# AZE publications at a glance

- Protected Planet Report
- Global Biodiversity Outlook 3
- Environmental Performance Index
- Millennium Development Goals
- Integrated Biodiversity Assessment Tool (IBAT)
- JoTT (2012) *Key Biodiversity Area Special Series*
- Larsen, Turner, Brooks (2012) *Conserving Critical Sites for Biodiversity Provides Disproportionate Benefits to People*
- Butchart et al (2012) *Protecting Important Sites for Biodiversity Contributes to Meeting Global Conservation Targets*



# AZE protected status

