

Alliance for Zero Extinction (AZE)

CBSG Annual Meeting
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ALLIANCE FOR
Zero Extinction



Robin Moore



Presentation overview

- What is the Alliance for Zero Extinction (AZE)?
- Goals of AZE
- AZE criteria
- Taxonomic coverage
- AZE in species conservation planning
- AZE as a subset of Key Biodiversity Areas (KBAs)
- AZE and the Convention on Biological Diversity (CBD)



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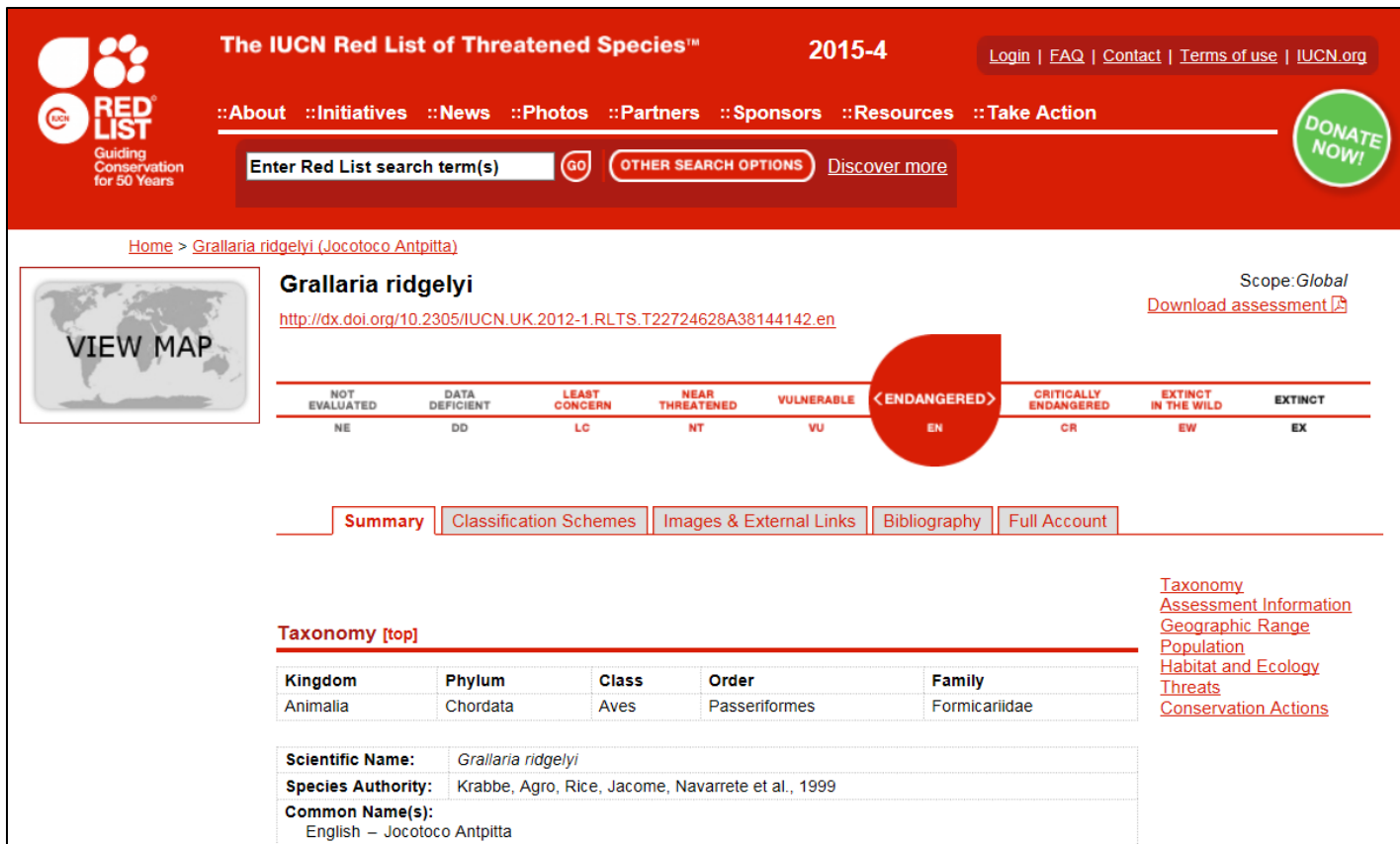
The Alliance for Zero Extinction (AZE)

- Started in 2005 by conservation organizations
- Today, a global initiative of over 98 members
- Increasingly adopted by governments
- **Goal:**
 - Identify and protect sites, each of which is the only site for one or more Endangered or Critically Endangered species, as assessed on the IUCN Red List



3 criteria to be an AZE site

1. Endangered (EN) or Critically Endangered (CR) on the IUCN Red List of Threatened Species



The screenshot shows the IUCN Red List of Threatened Species website for the species *Grallaria ridgelyi* (Jocotoco Antpitta). The page features a navigation bar with links for About, Initiatives, News, Photos, Partners, Sponsors, Resources, and Take Action. A search bar is present with the text "Enter Red List search term(s)" and a "GO" button. A "DONATE NOW!" button is also visible. The species name *Grallaria ridgelyi* is prominently displayed, along with its conservation status: EN (Endangered). A horizontal bar below the status shows the IUCN categories: NOT EVALUATED (NE), DATA DEFICIENT (DD), LEAST CONCERN (LC), NEAR THREATENED (NT), VULNERABLE (VU), ENDANGERED (EN), CRITICALLY ENDANGERED (CR), EXTINCT IN THE WILD (EW), and EXTINCT (EX). The EN category is highlighted with a red circle. Below the status bar, there are tabs for Summary, Classification Schemes, Images & External Links, Bibliography, and Full Account. The Taxonomy section is expanded, showing the following information:

Kingdom	Phylum	Class	Order	Family
Animalia	Chordata	Aves	Passeriformes	Formicariidae

Scientific Name: *Grallaria ridgelyi*
Species Authority: Krabbe, Agro, Rice, Jacome, Navarrete et al., 1999
Common Name(s): English – Jocotoco Antpitta

Additional links include Taxonomy, Assessment Information, Geographic Range, Population, Habitat and Ecology, Threats, and Conservation Actions. A "VIEW MAP" button is also present on the left side of the page.



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3 criteria to be an AZE site

2. Over >95% of the species' population is at 1 site



Can be a resident species



Or a species that only uses a site for one segment of its life history, like breeding



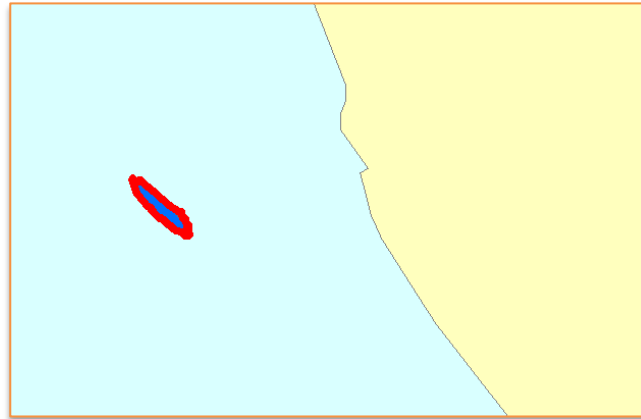
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3 criteria to be an AZE site

3. The site must have a definable boundary

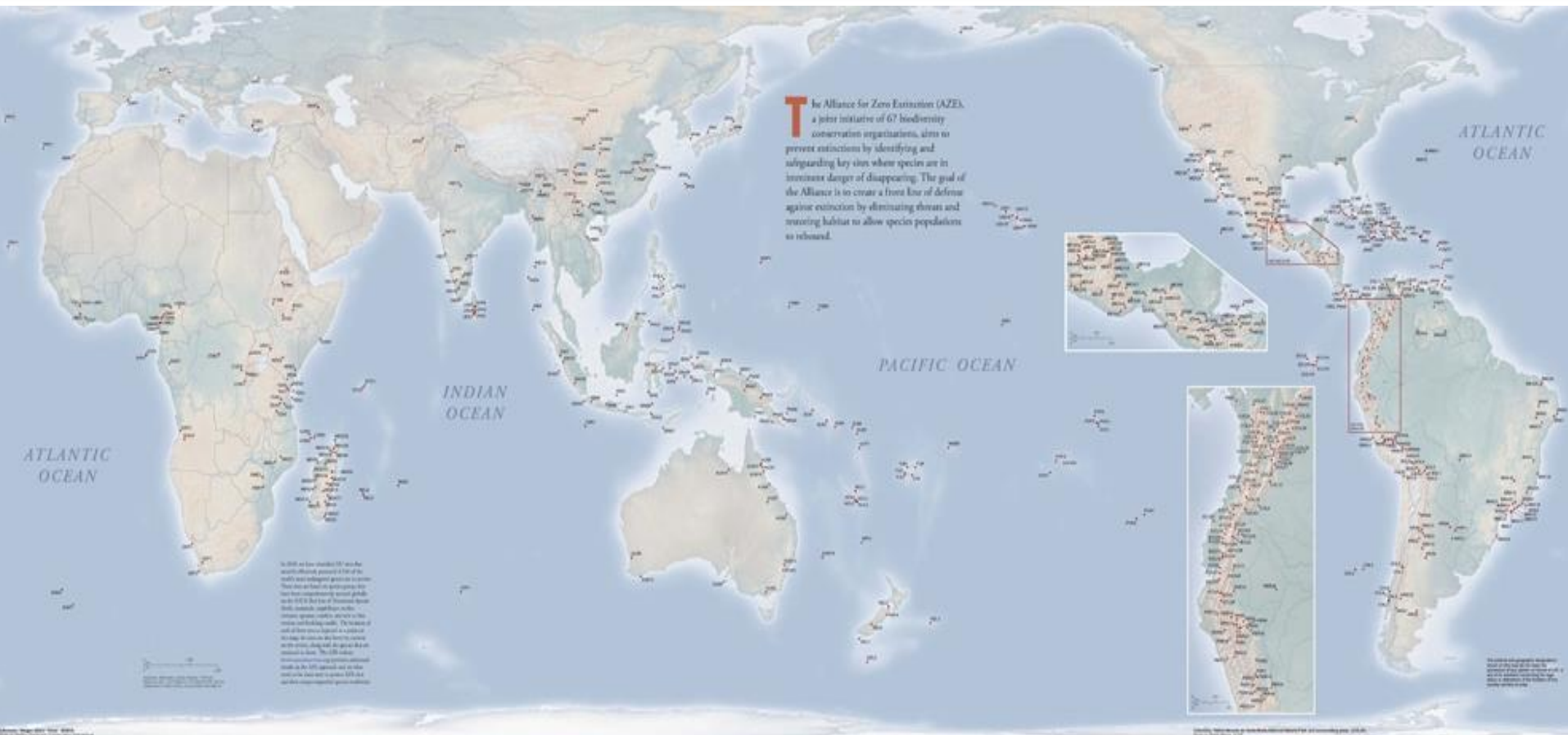
- A protected area or locally-designated site
- A mountaintop
- An island



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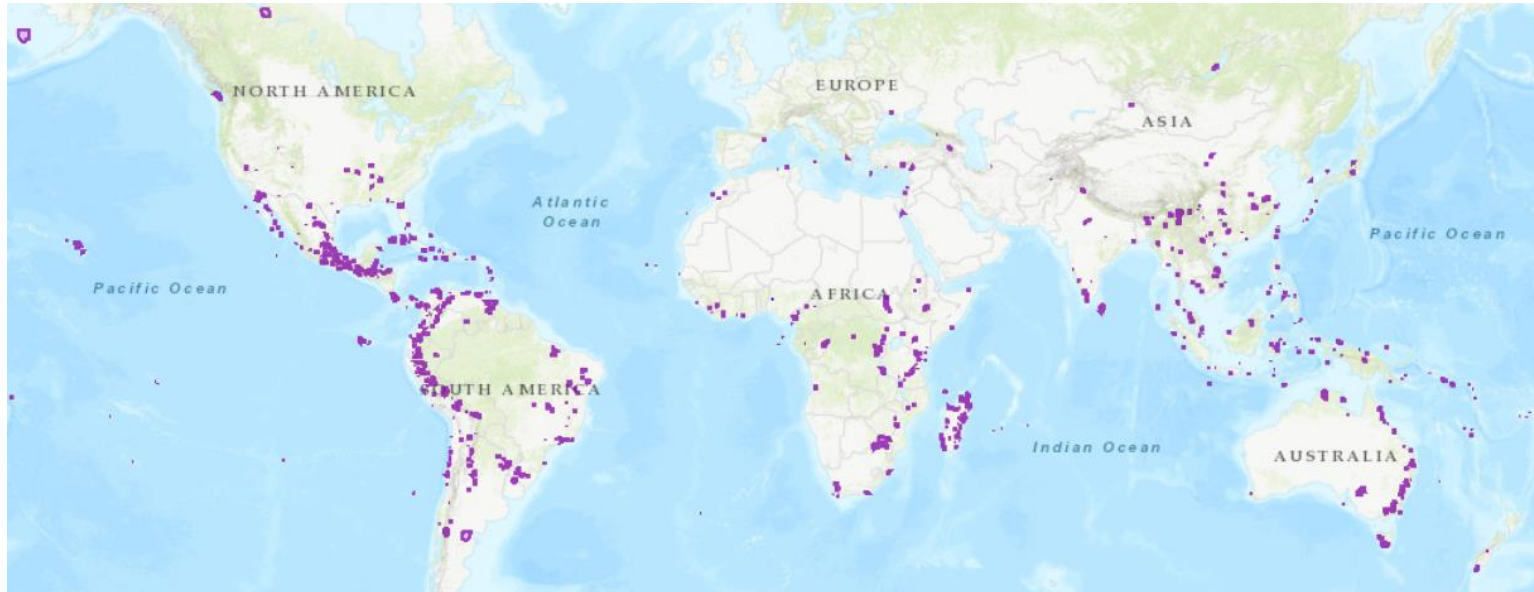


Taxonomic Coverage - 2010



587 sites with 920 species
birds, mammals, amphibians, reptiles,
conifers and reef-forming corals

Taxonomic Coverage - 2017



The 2017 update includes: amphibians, birds, cacti, cone snails, conifers, corals, cycads, freshwater crabs, freshwater crayfish, freshwater shrimps, mammals, mangrove plants, selected marine fish (blennies, groupers, pufferfish, wrasses), selected reptiles (chameleons, crocodiles, iguanas, tortoises, turtles), sharks and rays, and selected birches.

<http://birdlife.maps.arcgis.com/apps/webappviewer/index.html?id=15991d1ca7f34ec3a734efa496f644d4>

AZE in species conservation planning

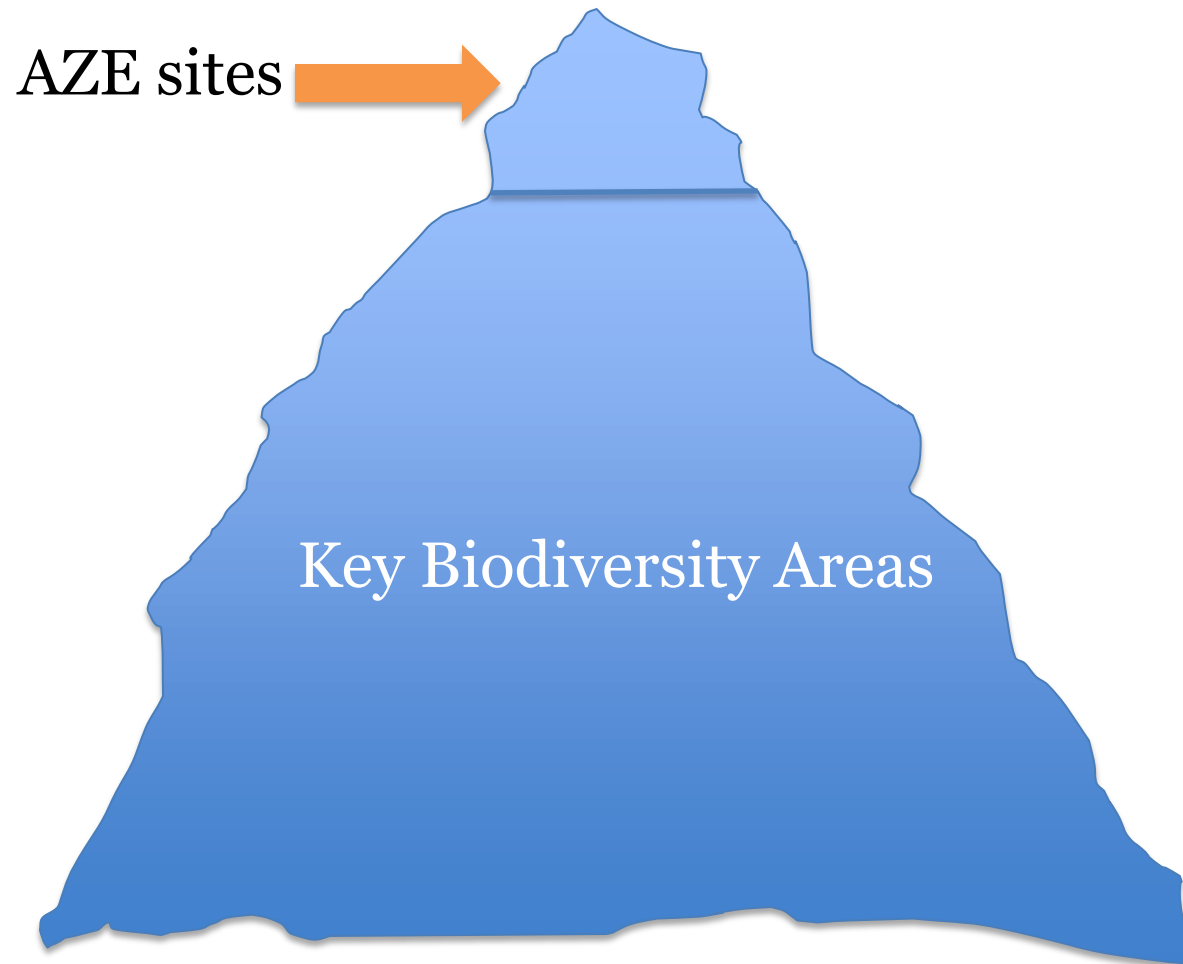
- Avoid losing species and areas that are irreplaceable
- Safeguard a country's unique species that are found no where else
- Easy to explain to non-scientists; everyone understands the importance of conserving the last population of a species
- Relation to existing priorities: AZE is part of the KBA Programme and an indicator for Aichi Biodiversity Targets



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AZE as a subset of Key Biodiversity Areas

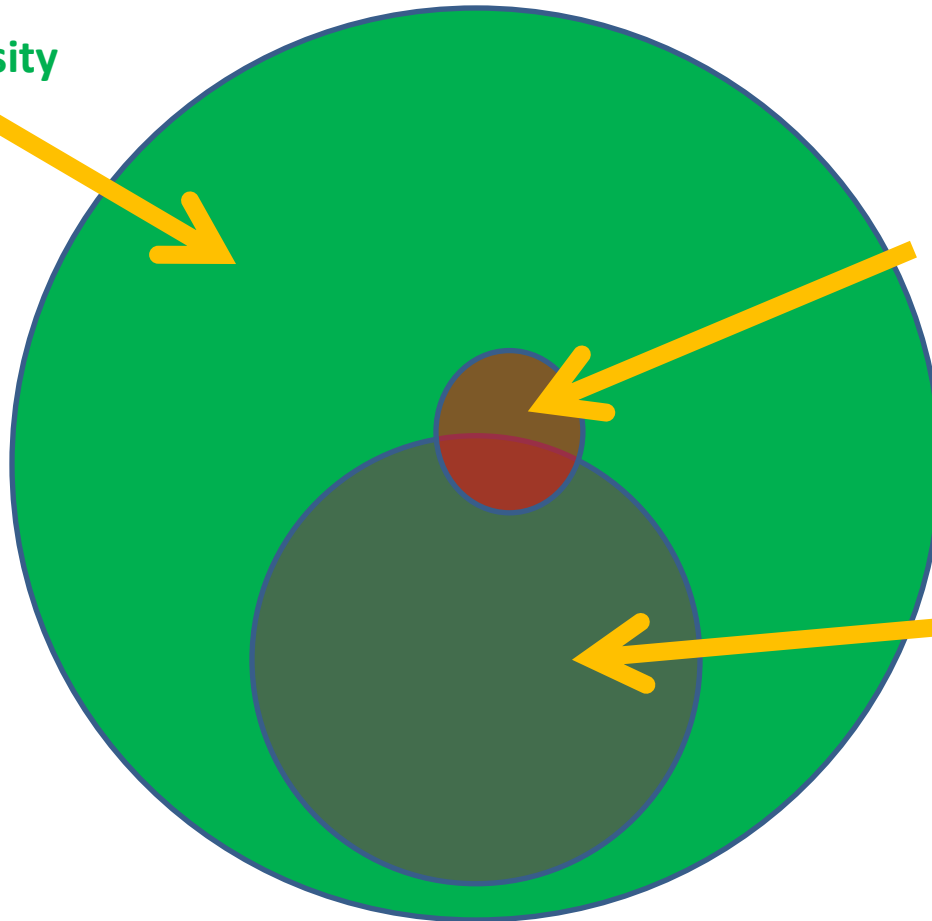


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AZE as a subset of Key Biodiversity Areas

Key Biodiversity Areas (KBAs)



AZE Sites

Important Bird and Biodiversity Areas (IBAs)



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AZE in the CBD

In 2010, the Convention on Biological Diversity (CBD) Secretariat and AZE signed a Memorandum of Cooperation to prevent species extinctions and maintain ecosystems and habitats at key sites for endangered species.

AZE is a **recognized indicator** for Aichi Biodiversity Targets, in particular Biodiversity Targets 11 and 12.



AZE in the CBD



Aichi Biodiversity Target 11

By 2020, at least 17 per cent of terrestrial and inland water, and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscape and seascapes.



AZE in the CBD



Aichi Biodiversity Target 11

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AZE in the CBD



Aichi Biodiversity Target 12

By 2020 the extinction of known threatened species has been prevented and their conservation status, particularly of those most in decline, has been improved and sustained.



AZE in the CBD



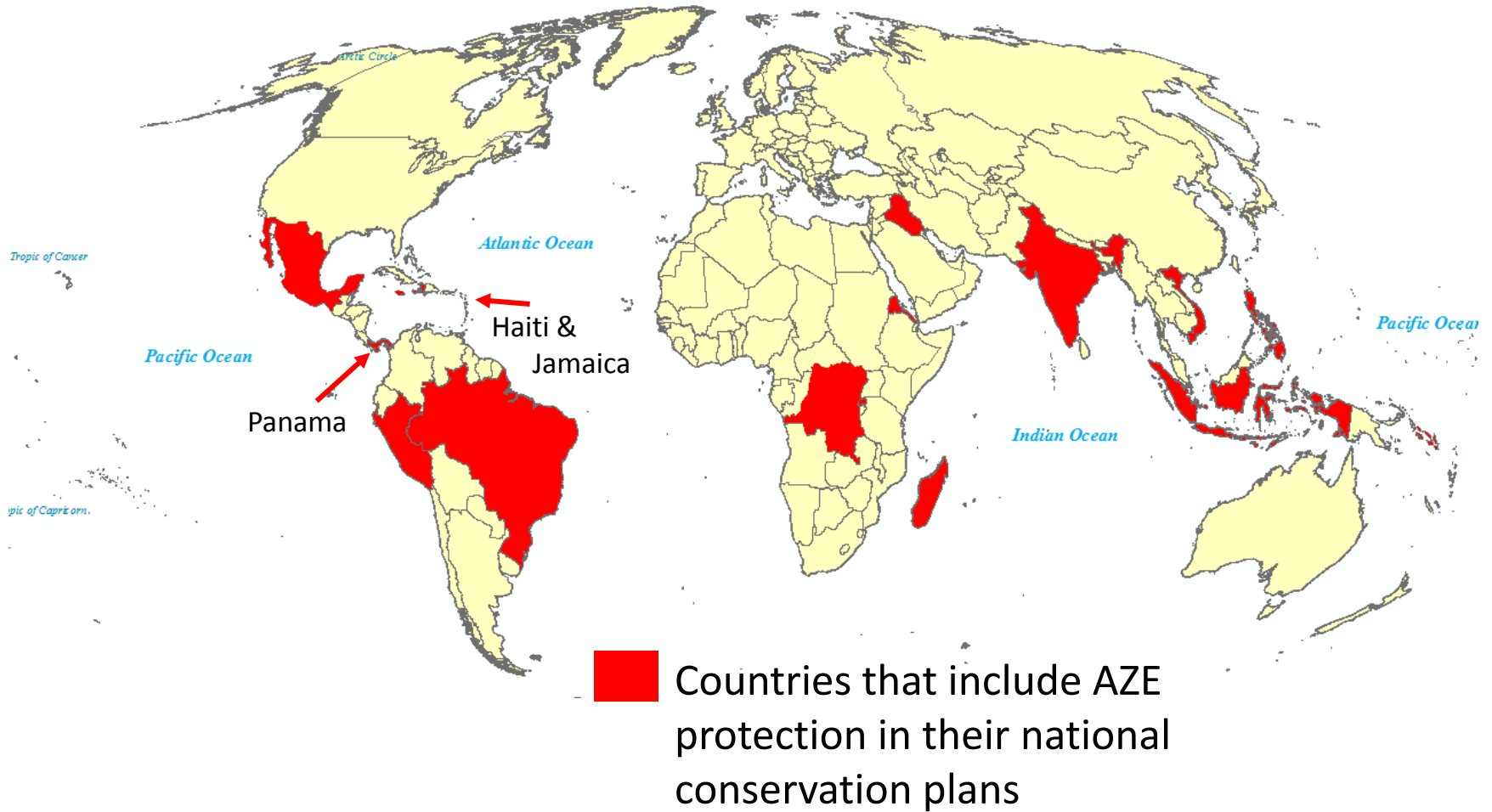
Aichi Biodiversity Target 12

By 2020 the **extinction of known threatened species has been prevented** and their conservation status, particularly of those most in decline, has been improved and sustained.



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AZE in the CBD



AZE questions or information requests?

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