



Proteus Partners Meeting 2012

hosted in London by Shell on June 14th



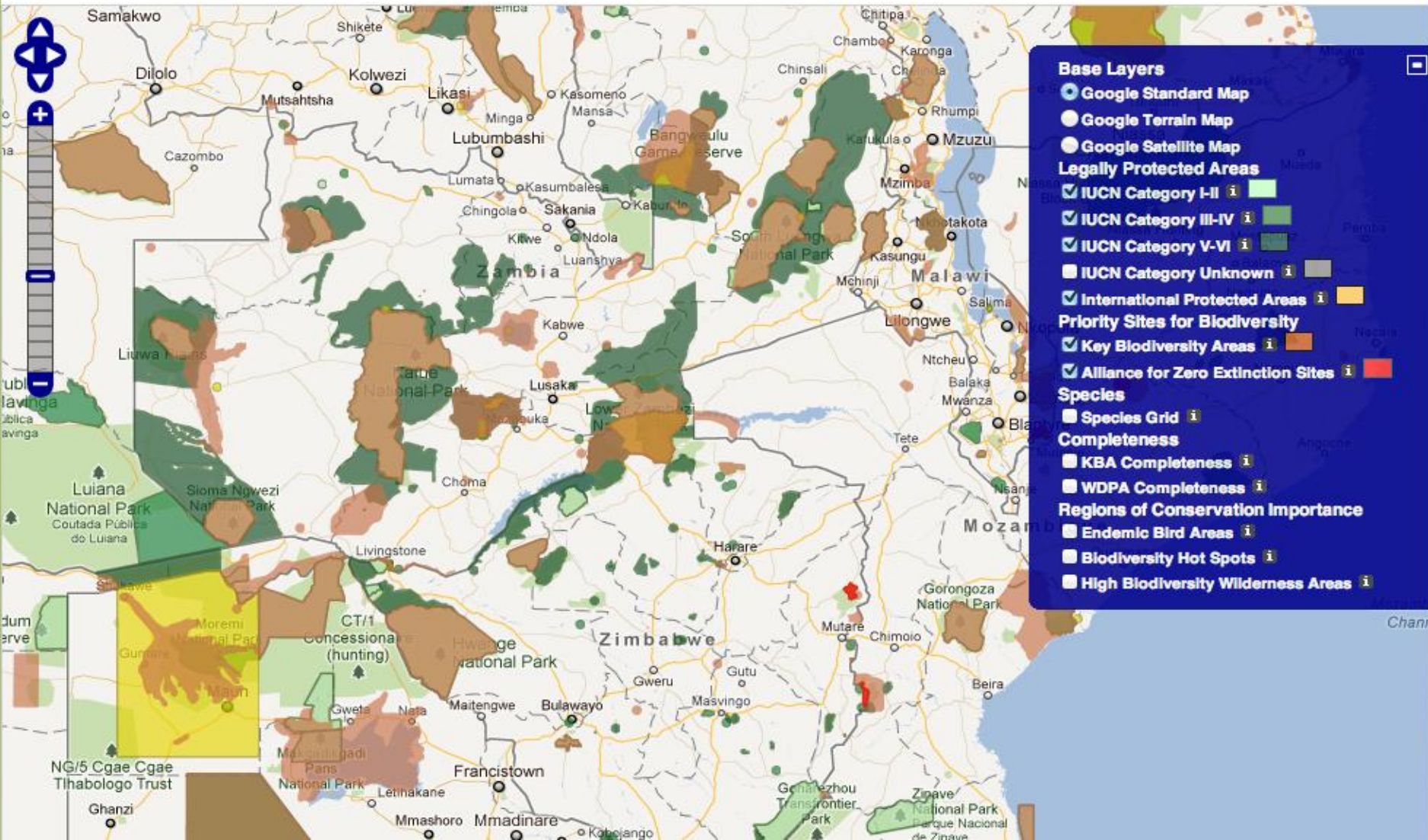
Recent developments in the IBAT

Proteus Annual Meeting, London, 14th June 2012

Jon Hutton

[Home](#)
[Map](#)
[Country/Territory](#)
[IBAT and Your Business](#)
[Data Behind IBAT](#)
[Downloads](#)

Latitude Longitude Show buffer (1km, 5km, 10km)



Base Layers

- Google Standard Map
- Google Terrain Map
- Google Satellite Map

Legally Protected Areas

- IUCN Category I-II 
- IUCN Category III-IV 
- IUCN Category V-VI 
- IUCN Category Unknown 
- International Protected Areas 

Priority Sites for Biodiversity

- Key Biodiversity Areas 
- Alliance for Zero Extinction Sites 

Species

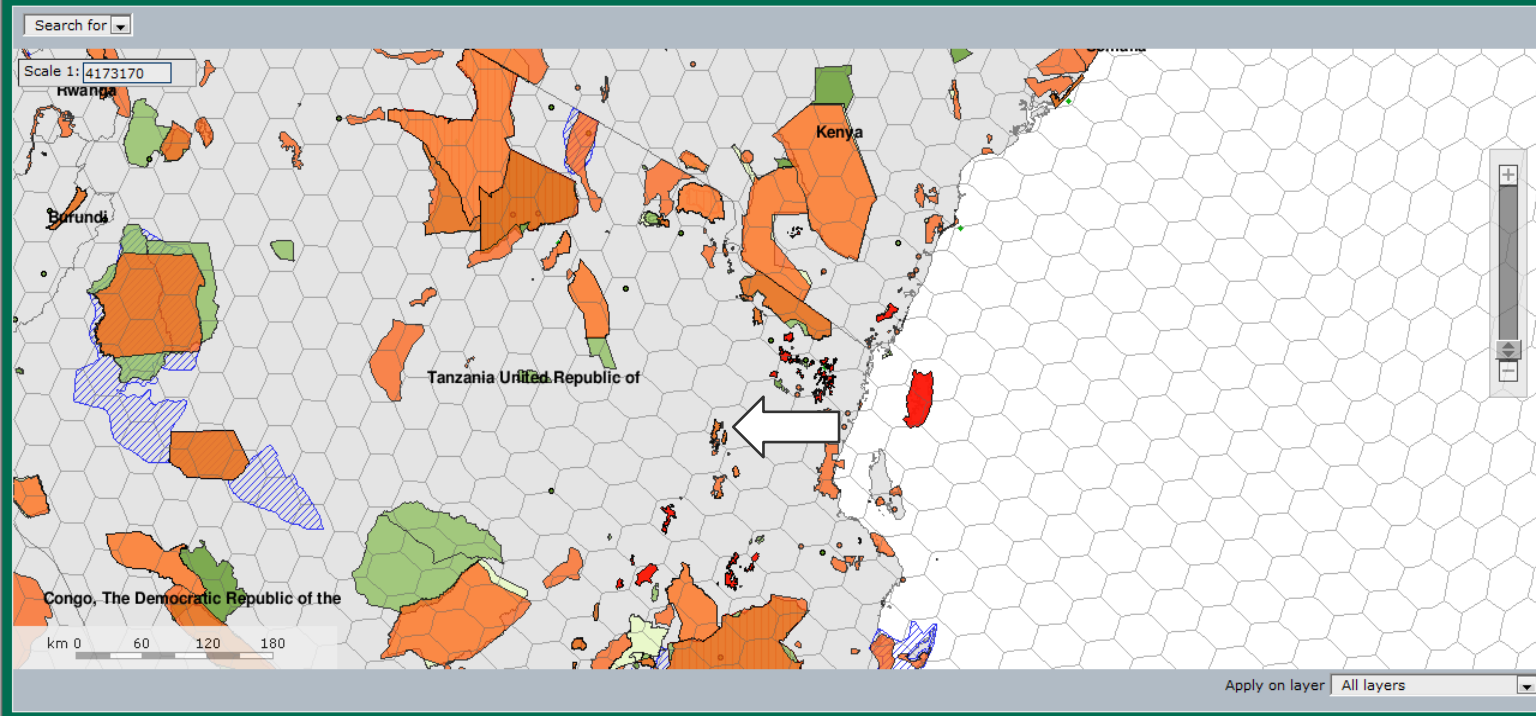
- Species Grid 

Completeness

- KBA Completeness 
- WDPA Completeness 

Regions of Conservation Importance

- Endemic Bird Areas 
- Biodiversity Hot Spots 
- High Biodiversity Wilderness Areas 



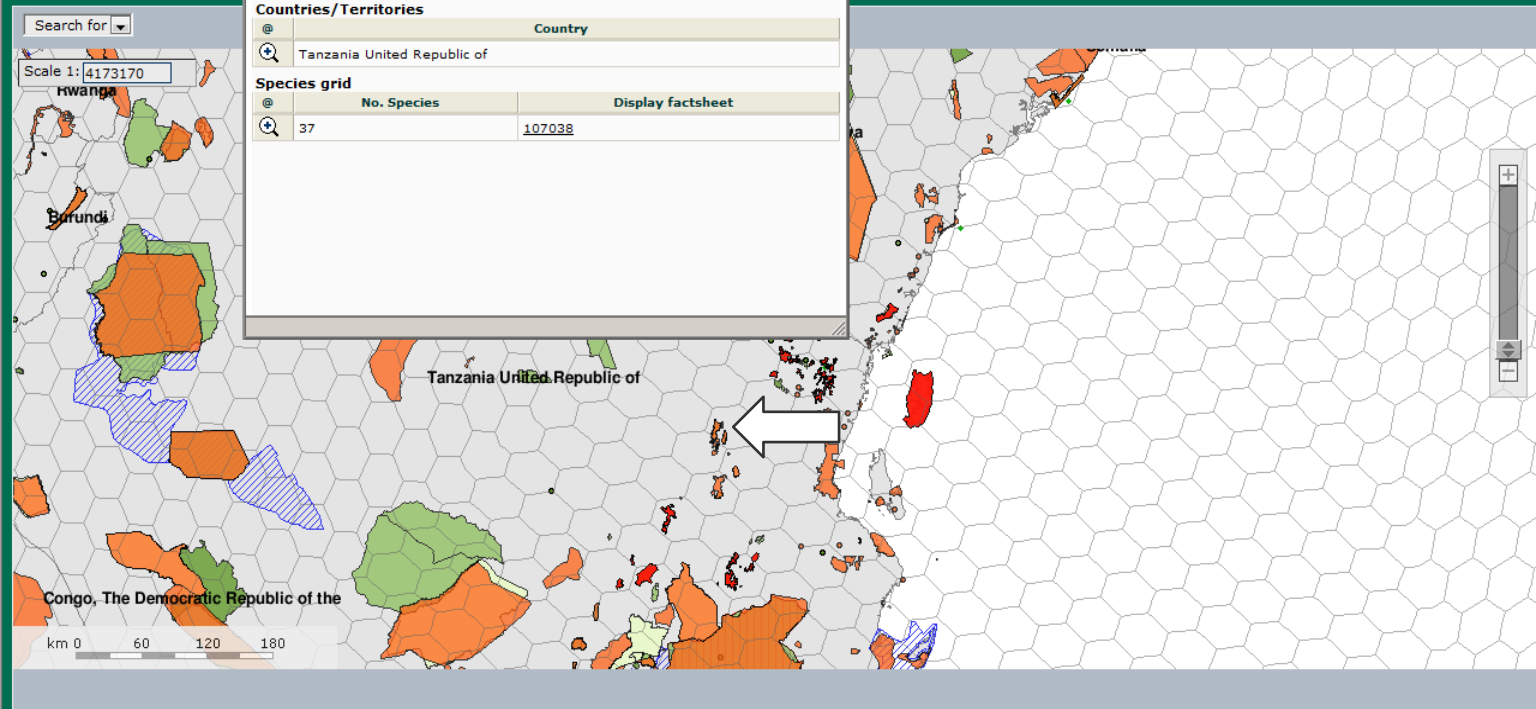
Layers Legend

- Endemic Bird Areas
- Internationally Recognised Sites**
 - World Heritage Sites
 - Ramsar Wetlands
 - UNESCO MAB
 - Other Sites
- Nationally Designated Sites**
 - IUCN Category I-II
 - IUCN Category III-IV
 - IUCN Category V-VI
 - IUCN Category Unknown
- Globally Threatened Species Grid**
 - Species grid
- Administrative Data**
 - Countries/Territories
 - Administrative boundaries
 - Cities
 - Towns
 - Shaded relief
 - Gazetteer

Search for [v]
Scale 1:4173170
Tanzania United Republic of

Countries/Territories	
Country	
Tanzania United Republic of	

Species grid		
	No. Species	Display factsheet
	37	107038



Layers Legend

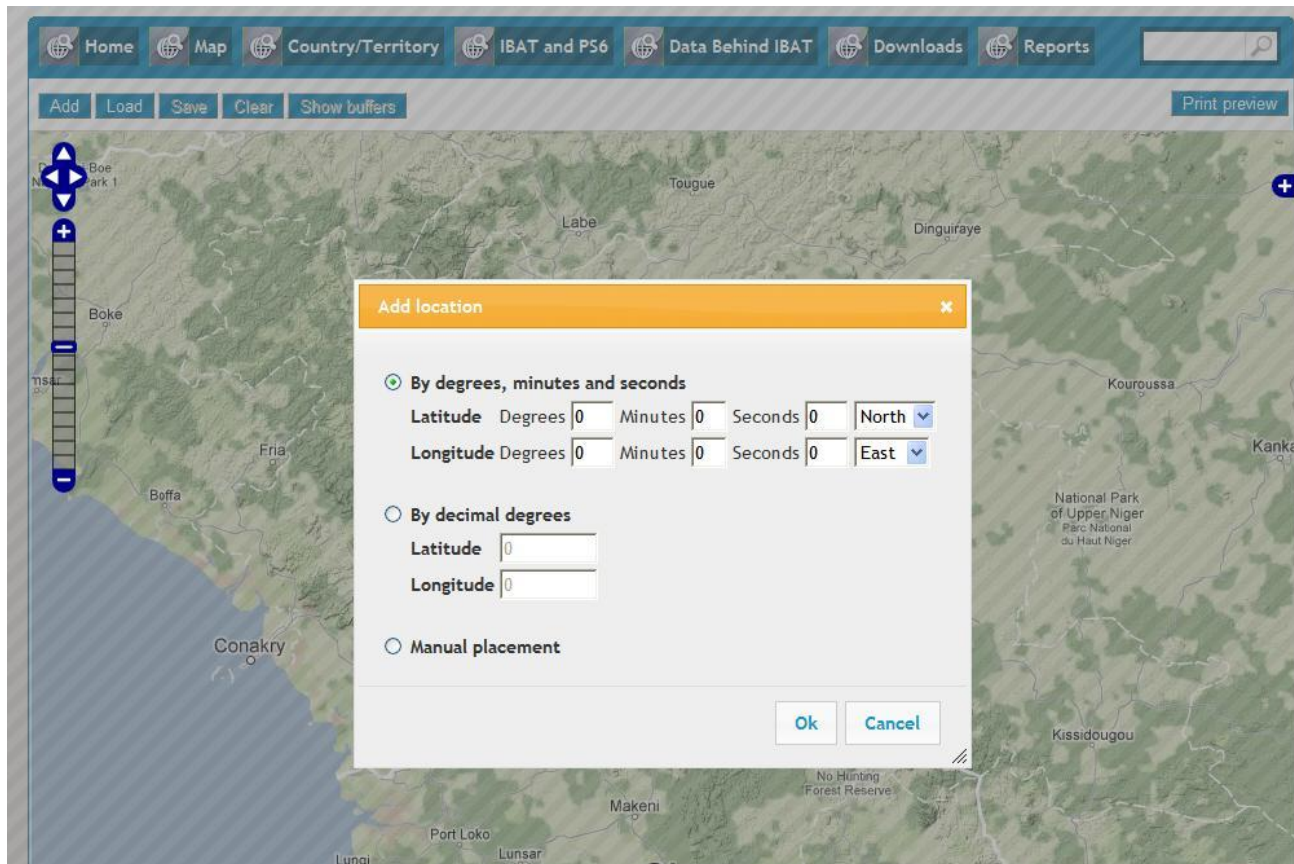
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 - Administrative boundaries
 - Cities
 - Towns
 - Shaded relief
 - Gazetteer



212 Upgrade to functionality

- Option to add your own location using DMS, decimal coordinates or manually.
- Option to save down your location for future use into a catalogue.

Option to add own locations



Option to save this location into a catalogue

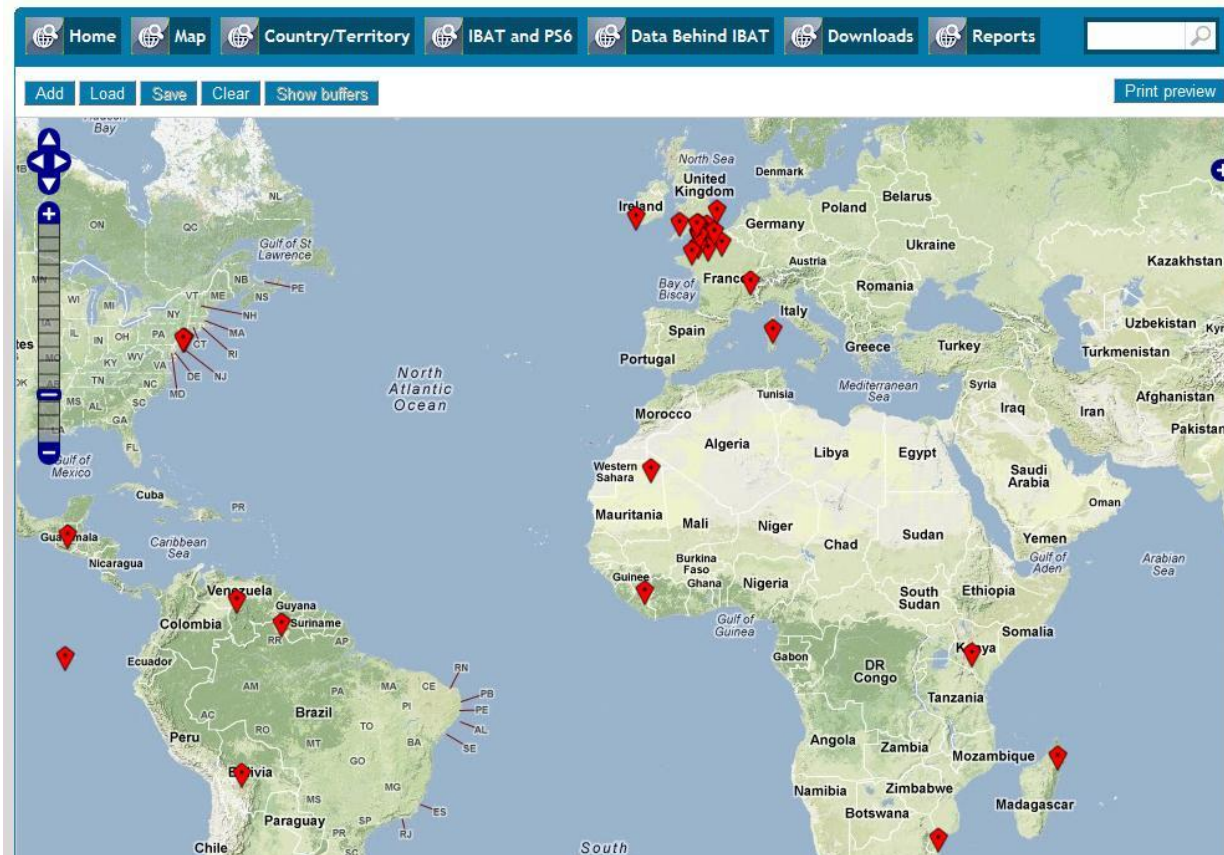
Home Map Country/Territory IBAT and PS6 Data Behind IBAT Downloads Reports

Add Load Save Clear Show buffer Print preview

My location

Cape NP	34°15'30.1"S 18°25'13.8"E	report
---------	---------------------------	--------

Option to display either an individual location or entire catalogue



2012 progress on generating reprotos

- Ability to generate habitat status reports detailing the features found within 1 km, 10 km and 50 km of a location.
- Assess risks against EMP and ISO 14001

Option to generate a Habitat Status Report

Habitat Status Report

Location Madagascar, North

Latitude/Longitude 14° 31' 39" South 49° 26' 40" East

About this report

This IBAT point-based intersection report identifies the Legally Protected Areas, Internationally Recognised Areas and Priority Sites for Biodiversity that are located within 1 km, 5 km and 10 km of the location.

The results provide an indication of the potential biodiversity-related risks close to the location, and does not provide details of potential indirect, downstream or cumulative impacts. The user should consider this tool as an Early Warning System that can provide valuable guidance in making decisions.

How to interpret this report

PLEASE NOTE: The distance calculations are performed by reprojecting the spatial data to an equal distance projection, and so may not match precisely the results shown on the map

FEATURES WITHIN 1 km

Priority Sites for Biodiversity

Alliance for Zero Extinction Site	Anjanharibe-Sud-Marjoje Future Proposed Protected Area Triggers: CR/EN, endemic
Key Biodiversity Area	Anjanharibe-Sud-Marjoje Future Proposed Protected Area Triggers: CR/EN, endemic

FEATURES WITHIN 5 km

There are no data within 5km

FEATURES WITHIN 10 km

Legally Protected Areas

IUCN Category IV	Anjanharibe-Sud	183 ha
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IUCN RED LIST OF THREATENED SPECIES

Given suitable habitat, the following species are potentially found close to the area of interest:

Taxonomic group	Species	IUCN Red List category
Birds	<i>Accipiter henstii</i> Henst's Goshawk	NT
Birds	<i>Accipiter madagascariensis</i> Madagascar Sparrowhawk	NT
Birds	<i>Anas melleri</i> Meller's Duck	EN

- ✓ Features within 1, 10 & 50km
- ✓ List of species that could potentially occur given suitable habitat
- ✓ Includes explanation and definition of all features

Future developments:

- ✓ Additional report formats
- ✓ GRI related report



Report results inform risk analysis (EMP and ISO 14001)

Site	Site A	Site B
World Heritage	None within 10km	None within 10km
Ramsar	Within Ramsar site	None within 10km
National protected area	Within 1km of national park	Within 10km of Nature reserve
Priority site for biodiversity	Within 1km of 2 KBAs	None within 5km
Region of conservation importance	Within Hotspot	Not within
Potential globally threatened species	2 threatened mammals and 3 threatened birds	No threatened species
Risk rating	High	Medium

2012 requested improvements

- Internationally important areas have been split into separate layers
- Improved and extended explanations and guidance materials
- Regular news feed
- Functions on iPhone and iPad

A reminder...



1. The IBAT is created by the organisations which develop the data standards and maintain the datasets
2. We invest in excess of \$6 million a year in data processes
3. The IBAT is a not-for-profit initiative which returns all the value from business interest to the data processes, to benefit everyone



We also make data from IBAT available on a not-for-profit basis

- As a part of the UN system it is important that we provide data to governments and research
- We do this through another portal, IBAT for Research and Conservation Planning



ibat

FOR RESEARCH & CONSERVATION PLANNING

Integrated Biodiversity Assessment Tool

Logout

You are logged in as matt.jones@unep-wcmc.org

- Home
- Map
- Country/Territory Profile
- IBAT & Conservation
- Data Behind IBAT
- Partners
- Contact Us



Quick Navigation

Latitude Longitude

Country/Territory



The following corporate partners have played a key role in the development of IBAT by participating in the Corporate Consultative Group and providing guidance and feedback during the development stages as well as providing critical funding to the project.



Ongoing support of IBAT and the data development necessary to maintain and expand this initiative has been provided by the following companies through their participation in the Proteus Partnership:



Additional support has been provided by the United States Department of Energy and Gold Reserves, Inc.

 **United Nations Environment Programme**
World Conservation Monitoring Centre
Biodiversity & Ecosystems | Information & Analysis | Advice & Guidance

Home About Us About Biodiversity Our Work Datasets, Tools & Reports Working With Us Can we help you? UNEP

- Data and information
- Analysis and reports
- Specialist online tools
- Search our Library Catalogue
- Our commitment to partners
- How can we help you?



CITES Trade Dashboards
Interactive and dynamic views of trade data

- LINKS**
- Biodiversity Indicators Partnership
 - UNEP-WCMC Species Database
 - Protected Planet
 - Ocean Data Viewer
 - Proteus Partnership
 - IBAT
 - TEEB
 - Carbon, Biodiversity and Ecosystem Services
- More Quick Links

With our partners worldwide we source, collate and verify information on biodiversity and ecosystems which we then synthesise and analyse to create knowledge fit for global decision making

POLICIES



UNEP-WCMC does not assert any intellectual property rights in the data made available to it by data providers.

Access to UNEP-WCMC datasets is provided on the understanding that you read and consent to be bound by the Terms and Conditions set out in the policies below.

[READ MORE](#)

MEET OUR STAFF

Recent News:

Report Links Sustainability of Corporations to Ecosystem Services

5/10/2011

Assisting companies to report their links to and dependence upon ecosystems such as freshwaters, soil fertility and pollination services is the focus of a new publication released today by the Global Reporting Initiative (GRI), the United Nations Environment Programme World Conservation Monitoring Centre (UNEP-WCMC) and CREM.

Approach for Reporting on Ecosystem Services: Incorporating Ecosystem Services into an Organization's Performance Disclosure looks at emerging issues around ecosystem services and how corporations interact with them, reap the benefits and as a result need to monitor and protect them.

ABOUT US

The UNEP World Conservation Monitoring Centre (UNEP-WCMC) is a collaboration between the United Nations Environment Programme, the world's foremost intergovernmental environmental organization, and [WCMC \(UK\)](#), a UK-based charity.

[READ MORE](#)

FEEDBACK



This is our new website. We'd like to [hear what you think.](#)



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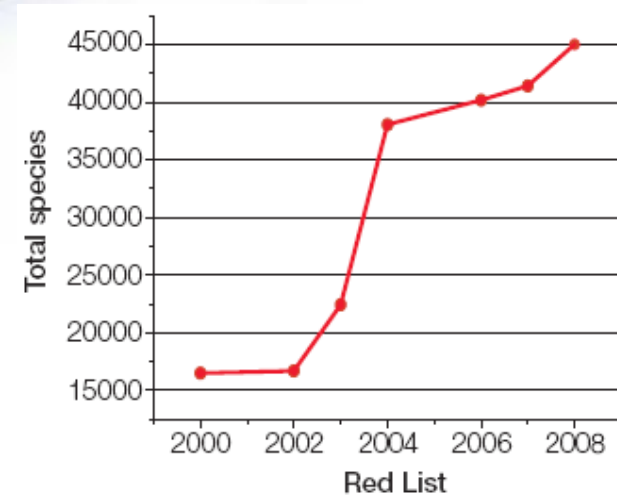
The IUCN Red List: Evolution and Influence



#1. The name doesn't say it all...



#2. ...all creatures great and small





Comprehensive assessments

Reptiles
Fish
Dragonflies



Mammals



Birds



Amphibians



Reef-building corals



Cycads



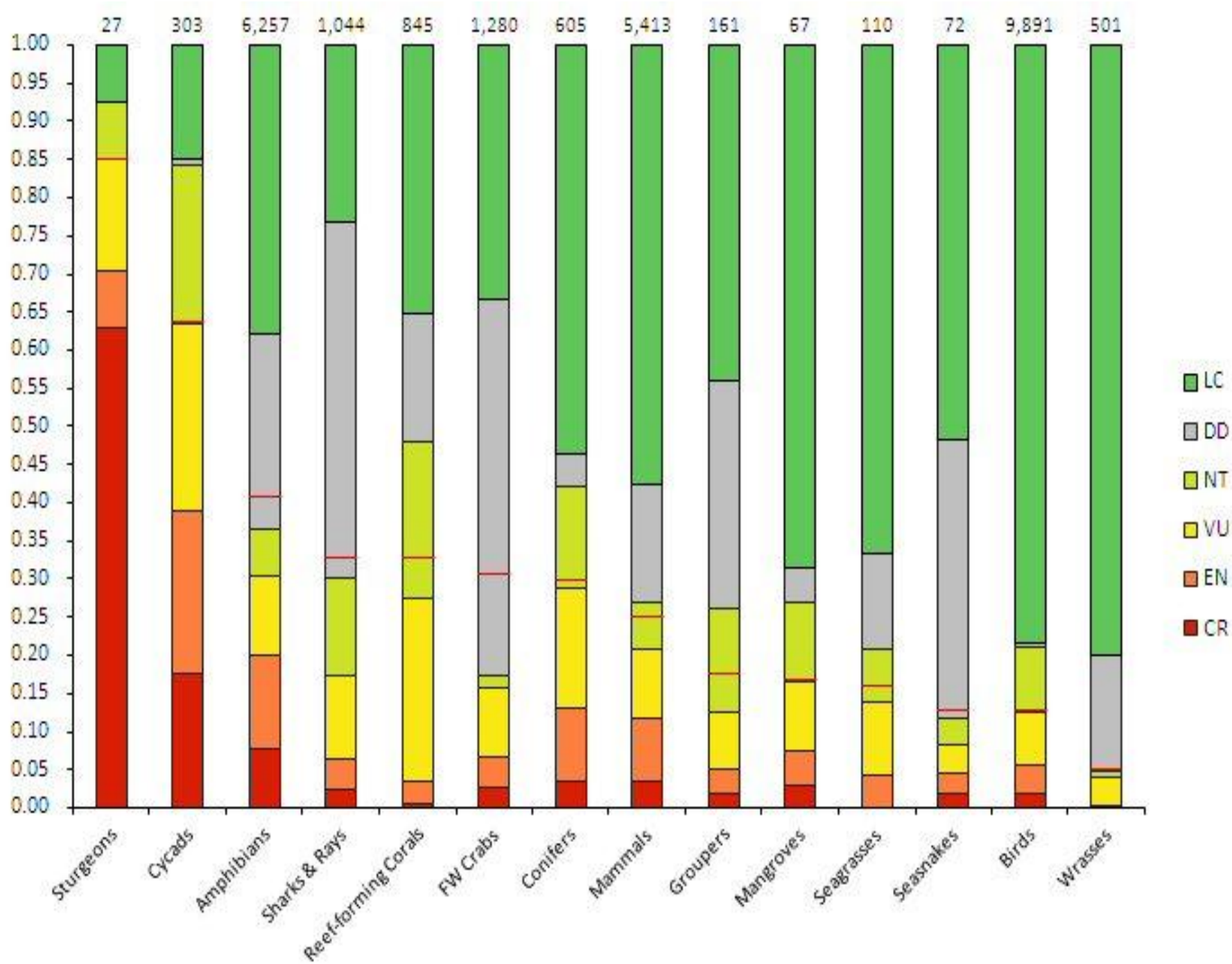
Conifers



Sharks

**Selected groups of
plants, fungi and
invertebrates**

Proportion of species





#3. There are rules, you know

CRITERIA

A

Population
reduction

B

Restricted
geographic range

C

Small population
size & decline

D

Very small or
restricted
population

E

Quantitative
analysis

Quantitative
thresholds

THREATENED CATEGORIES

Critically Endangered (CR)

Endangered (EN)

Vulnerable (VU)

#4. Not all threatened species are created equal



Green Turtle *Chelonia mydas* Endangered A2bd

#5. A Huge Scientific Network



AFRICAN ELEPHANT



AFRICAN RHINO



AFROTHERIA



AMPHIBIAN



ANOLINE LIZARD



ANTEATER, SLOTH AND ARMADILLO



ANTELOPE



ASIAN RHINO



ASIAN WILD CATTLE



BAT



BEAR



BISON



BOA AND PYTHON



BUMBLEBEE



BUSTARD



BUTTERFLY



CACTUS AND SUCCULENT



CANID



CAPRINAE



CARNIVOROUS PLANT



CAT



CETACEAN



CHAMELEON



CHINA PLANT



CONSERVATION BREEDING



CORMORANT



CRANE



CROCODILE



CROP WILD RELATIVE



CYCAD



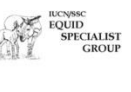
DEER



DIVER AND LOON



DRAGONFLY



EQUID



FLAMINGO



FRESHWATER CRAB AND CRAYFISH



FRESHWATER FISH



GALAPAGOS PLANT



GALLIFORMES



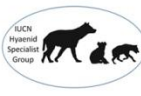
GRASSHOPPER



GROUPER AND WRASSE



HERON



HYAENA



IGUANA



INDIAN SUBCONTINENT PLANT



INVASIVE SPECIES



LAGOMORPH



LARGE CARNIVORE INITIATIVE FOR EUROPE



MACARONESIAN ISLAND PLANT



MARINE TURTLE



MEDICINAL PLANT



MOLLUSC



MUSHROOM, BRACKET AND PUFFBALL



NEW WORLD MARSUPIAL



ORCHID



OTTER



PALM



PECCARY



PELICAN



POLAR BEAR



PRIMATE



RE-INTRODUCTION



SALMONID



SEA SNAKE



SHARK



SIRENIA



SMALL CARNIVORE



SMALL MAMMAL



SOUTH AMERICAN CAMELID



SOUTH ASIAN INVERTEBRATE



STURGEON



TAPIR



TORTOISE AND FRESHWATER TURTLE



TUNA AND BILLFISH



VIPER



VULTURE



WILD PIG



WILDLIFE HEALTH

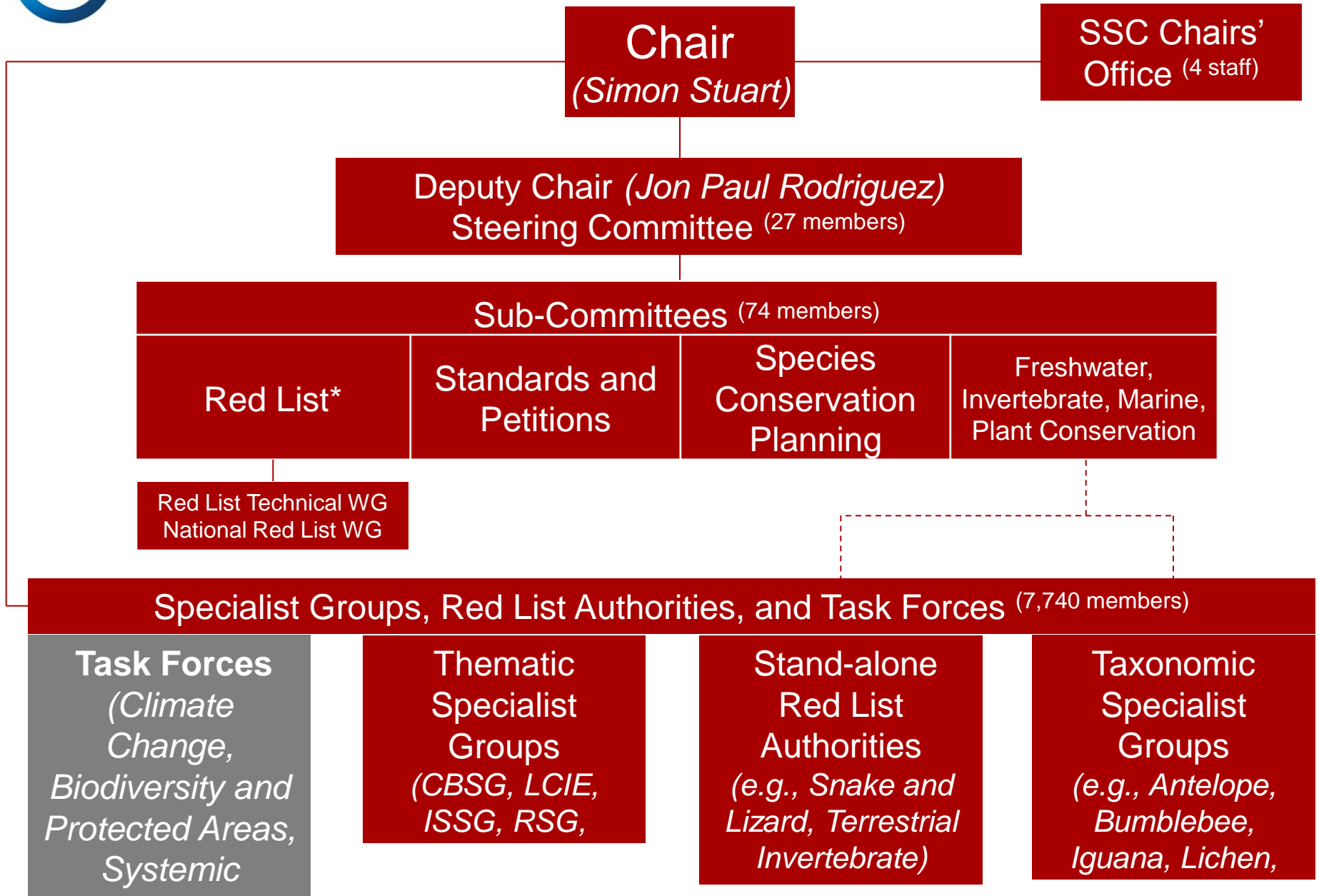


WOLF



WOODCOCK AND SNIPE

SSC Organigram



*Referred to as the Red List Committee, but in effect a sub-committee reporting to the Steering Committee

The Red List Partnership



CONSERVATION
INTERNATIONAL



Species Survival Commission

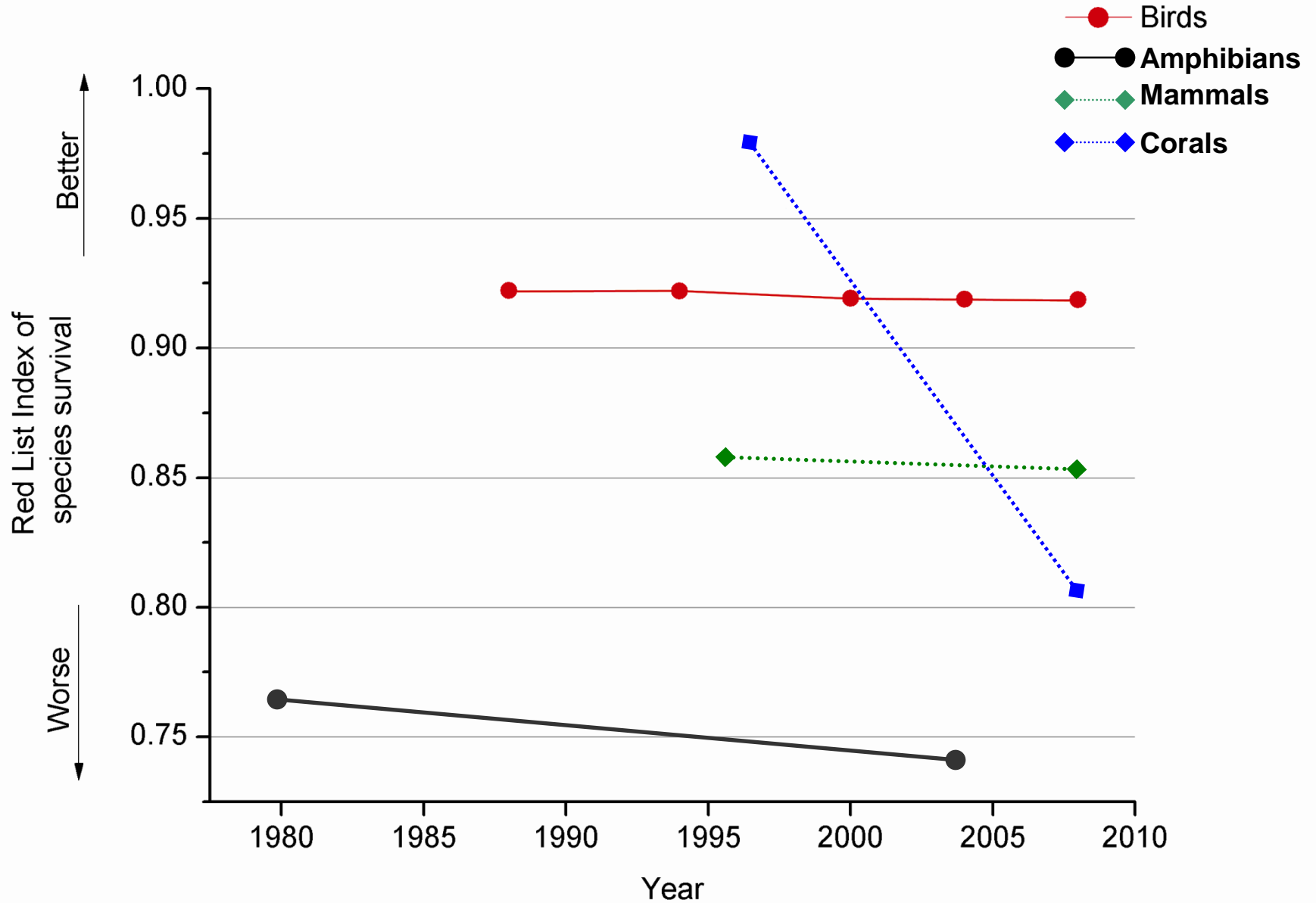
SSC



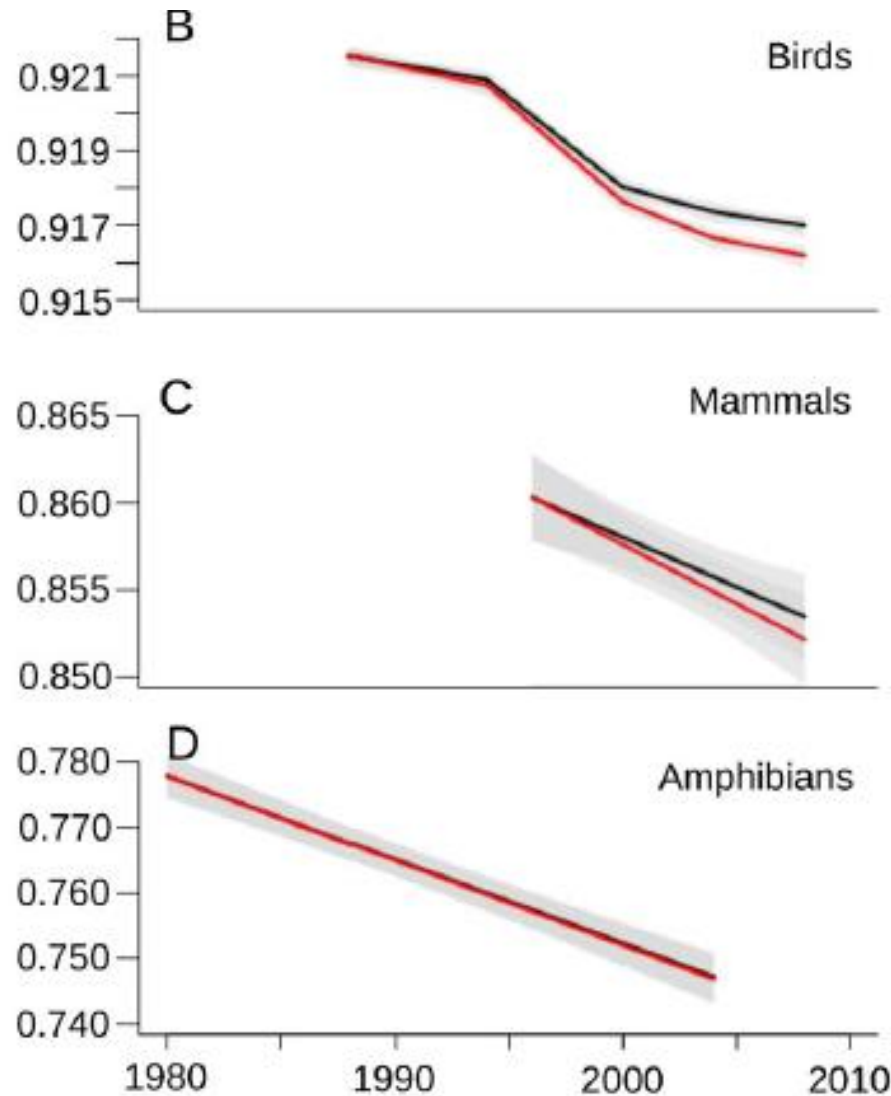
SAPIENZA
UNIVERSITÀ DI ROMA



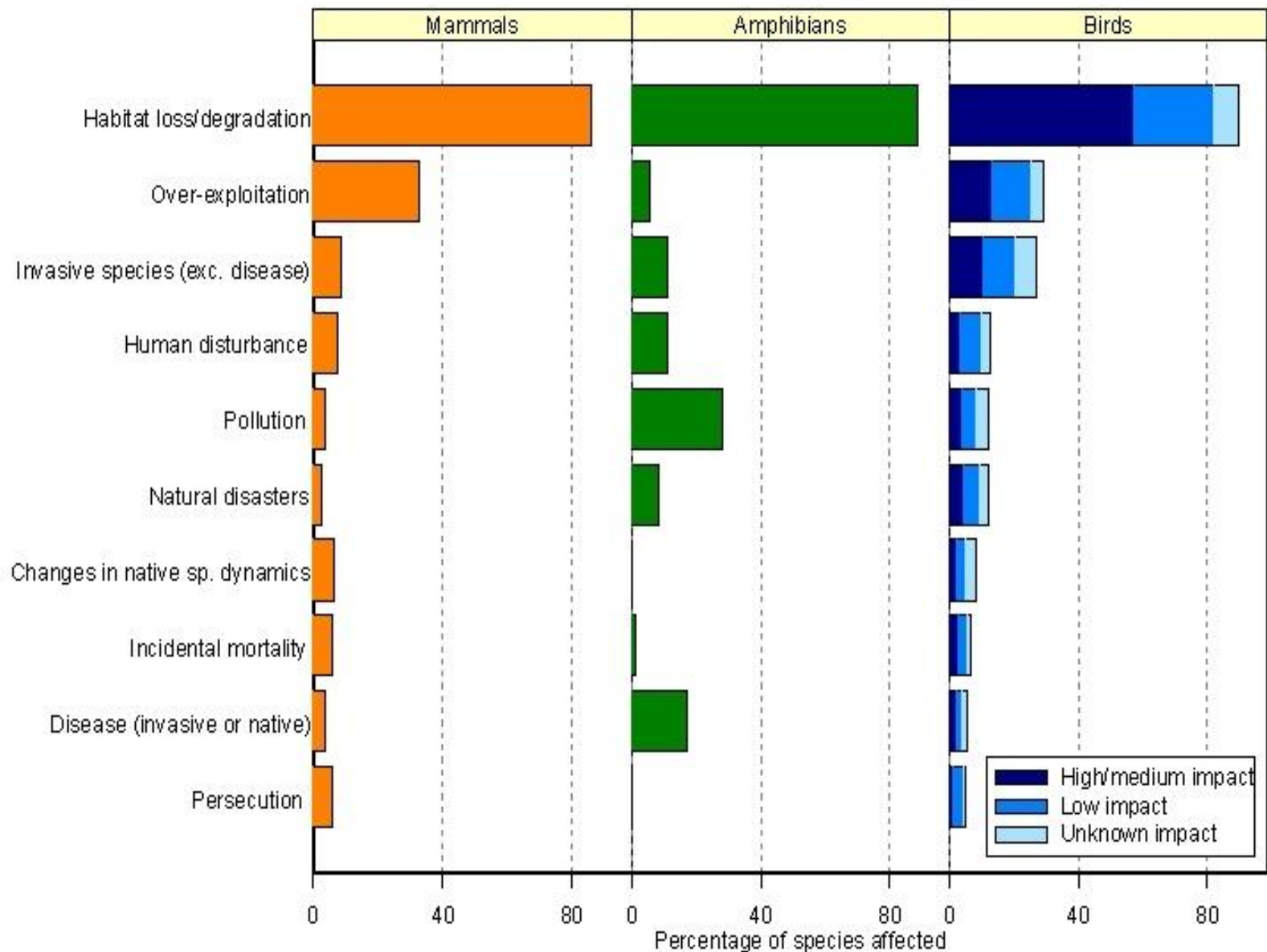
#6. Biodiversity Trends



Targeted onservation works (we just need more)



#7. Lots of data on each species



#8. We make cool maps

THE IUCN RED LIST OF THREATENED SPECIES

Scientific or Common name [>GO](#)

HOME SPECIES RANGE OBSERVATION **PROTECTED AREAS**

CHANGE BASEMAP

INSET MAP **MINIMISE**

Amphibia > Caudata > Plethodontidae
Plethodon cinereus
 Redback Salamander
 (Green, 1818)

SPECIES INFORMATION

Protected Areas

Powered by **Panoramio** Sort by: [Overlay Descending](#)

ALL PROTECTED AREAS

Results 1 - 5 of 90 [First](#) | [Previous](#) | [Next](#) | [Last](#)



> Pukaskwa
0.10% Overlap



> Cape Breton Highlands
0.05% Overlap



> Baie de l'Isle-Verte
0.00% Overlap

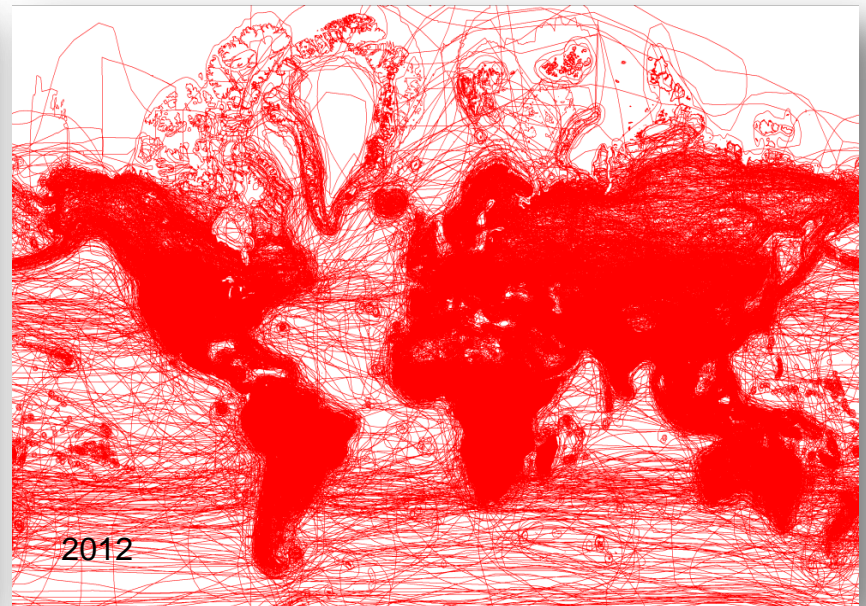
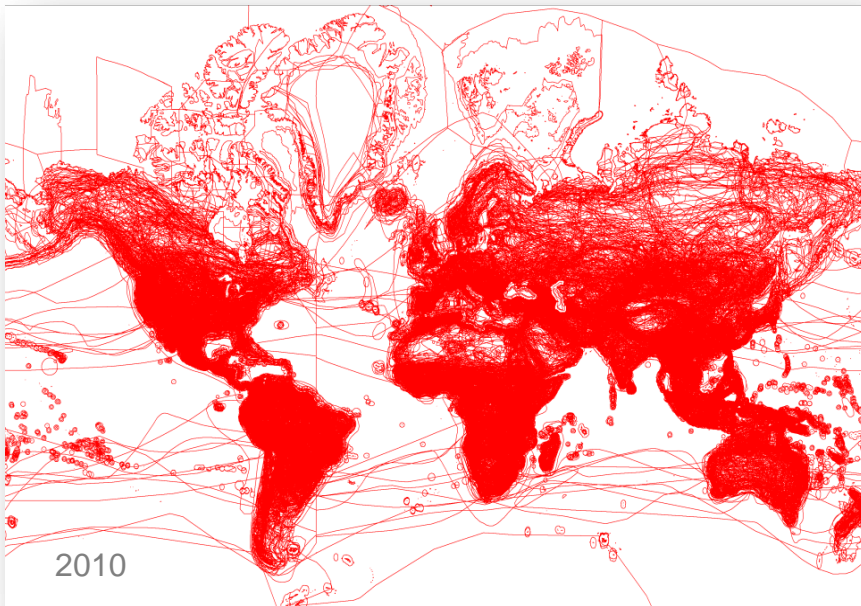
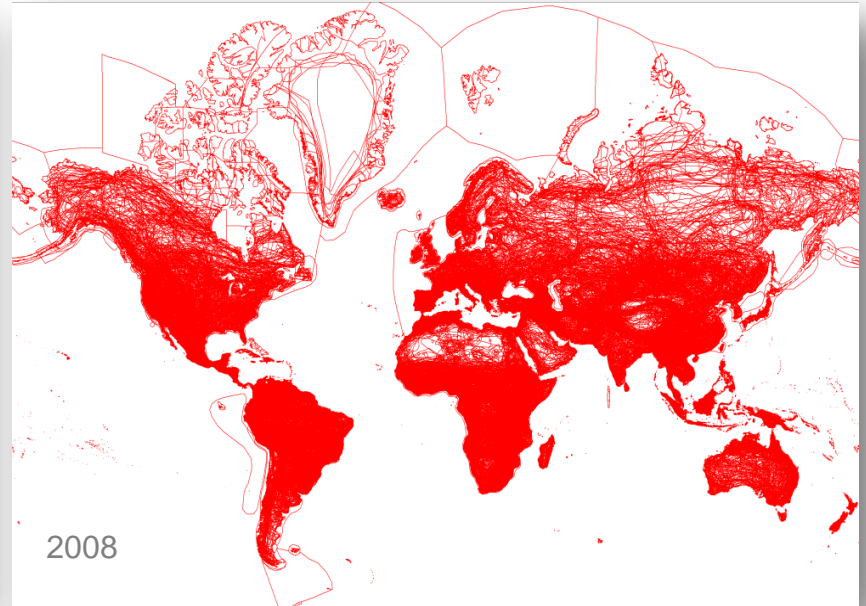
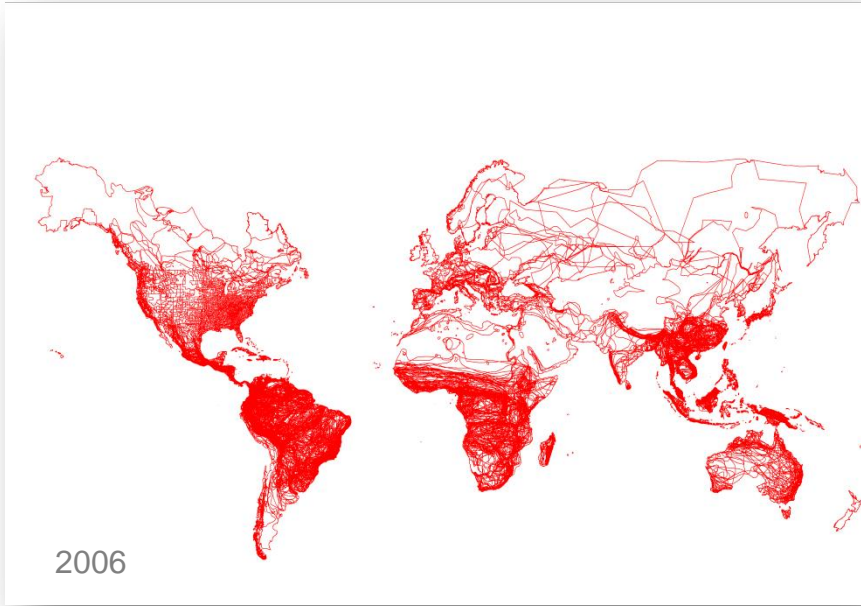


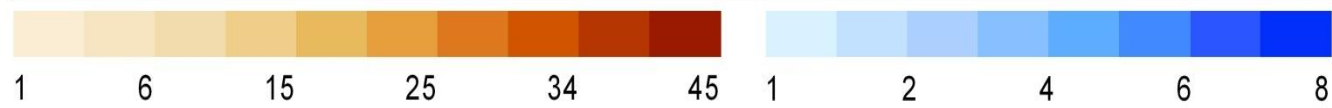
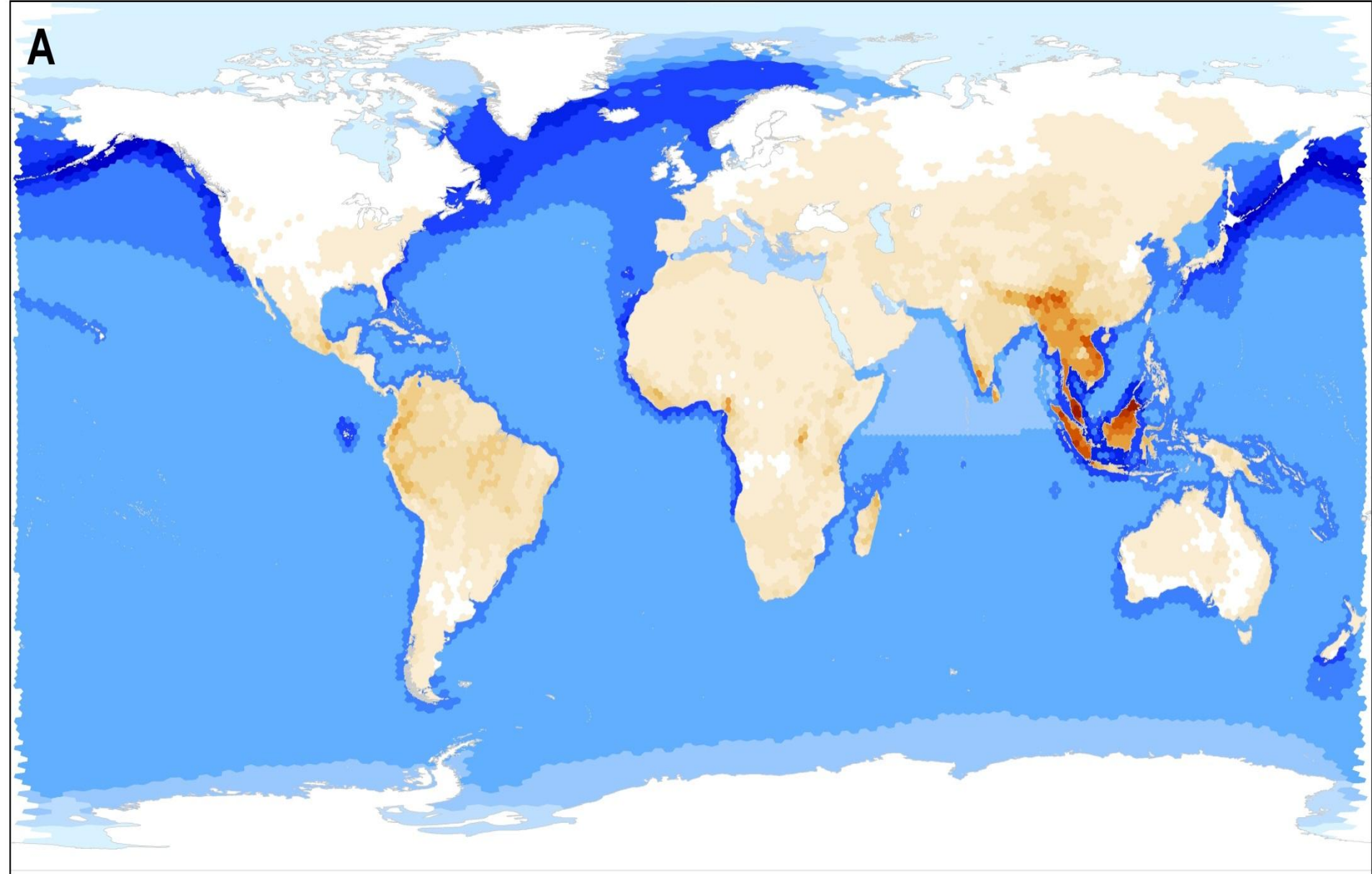
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0.02% Overlap



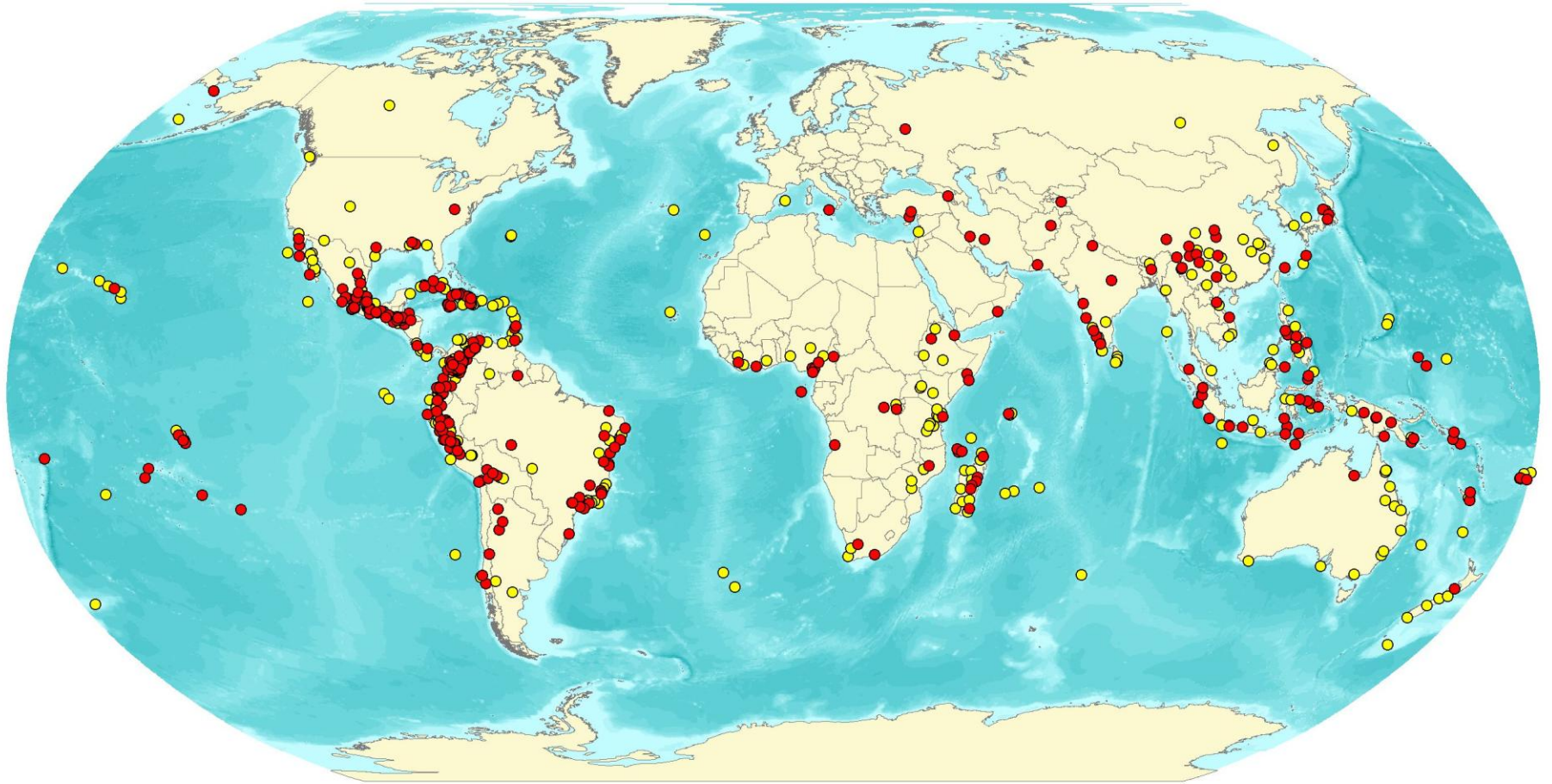
> Cap Tourmente
0.00% Overlap

- Ia** Strict Nature Reserve
- Ib** Wilderness Area
- II** National Park
- III** Natural Monument or Feature
- IV** Habitat/Species Management Area
- V** Protected Landscape/ Seascape
- VI** Sustainable use of natural resources
- UD** Unknown



A

#9. X marks the spot (where $x =$)



Map of 595 sites of imminent species extinctions

#10 Guiding Corporate Decision Making

To this end we are looking to make Red List data available to members of Proteus

The screenshot displays the IUCN Red List website interface. At the top, the header includes the 'REDLIST' logo, the text 'THE IUCN RED LIST OF THREATENED SPECIES', and a search bar. Navigation tabs for 'HOME', 'SPECIES RANGE', 'PROTECTED AREAS', 'OBSERVATION', 'FUTURE TAB 1', and 'FUTURE TAB 2' are visible. The main content area features a map of North America with various colored markers (EOL, R, H, S) indicating species distribution. A pop-up window titled 'EOL (Encyclopedia of Life)' shows three images of a Bald Eagle. To the right, a detailed species profile for *Haliaeetus leucocephalus australopithecus* (Bald Eagle) is shown, including its taxonomic classification and a 'Back to Red List page' button. Below the profile, a legend for 'MAP OVERLAYS' includes 'Protected Areas'. At the bottom right, logos for IUCN, SSC (Species Survival Commission), and ROLEX are displayed.



Proteus Partners Meeting 2012

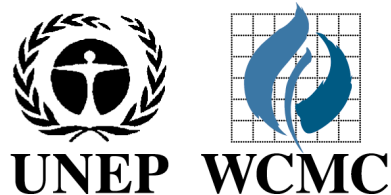
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Standard criteria to identify sites of global relevance for biodiversity

Proteus Annual Meeting

Jörn P. W. Scharlemann



IFC Performance Standard 6

Critical habitat areas include the following five criteria:

1. Habitat of **critically endangered** and/or **endangered** species;
2. Habitat of **endemic** and/or **restricted-range** species;
3. Habitat of **migratory** species and/or **congregatory** species;
4. Highly threatened and/or unique **ecosystems**; and/or
5. Areas associated with key **evolutionary processes**.

Legally Protected and **Internationally Recognised Areas**

Today...

KBAs
IBAs

AZEs
National
priorities

Red List species
IBAT
LEFT

Systematic
conservation
planning

InVEST
Aries

High biodiversity
impact



Low biodiversity
impact

High biodiversity
impact



Low biodiversity
impact

Mandate from World Conservation Congress in Bangkok, 2004

IUCN Species Survival Commission “to convene a worldwide consultative process to agree a methodology to enable countries to identify Key Biodiversity Areas, drawing on data from the IUCN Red List of Threatened Species and other datasets, building on existing approaches and paying particular attention to (i) the need to enlarge the number of taxonomic groups used for site-based priority setting approaches; (ii) have quantitative, transparent and objective criteria to identify Key Biodiversity Areas ...”

resolution 3.013

WCPA-SSC joint task force on biodiversity and protected areas, 2009

- 1) Conduct a meta-study on the effectiveness of different IUCN categories and governance types in delivering biodiversity outcomes
- 2) Consolidate the global standards for the identification of sites of biodiversity conservation significance



Aims of 2nd objective of WCPA-SSC joint task force

IUCN convened process to develop a new globally agreed approach that draws and builds on existing approaches, respond to end-user needs for a scientifically-rigorous, comprehensive and pragmatic tool for practitioners.

Timeline

Dec 2011 – initial workshop ICCB Auckland NZ

Jun 2012 – Framing workshop, Cambridge UK

Framing workshop, Cambridge 5-8 June 2012

- Clarify and agree on high-level objectives of new IUCN standard
- Define concepts to be included in new standard
- Build shared understanding of the global standard

Working groups

Vision – focus on persistence of biodiversity; work with existing areas

Scope – consider composition, structure & function at genetic, species and ecosystem level of biodiversity; natural/native range; (not ecosystem services)

Scale – no min size, max size limited to manageable areas; freshwater, marine and terrestrial; temporal/mobile sites

Working groups ...

Governance – needs assessment;
systematic review of existing approaches;
national & global/bottom-up vs top-
down; IP; funding

End users – matrix of users; local to
global; need for communication

Thresholds – irreplaceability;
uncertainty; multiple categories/classes

High biodiversity
impact



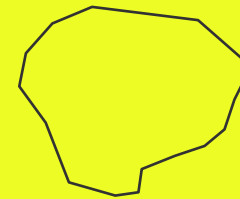
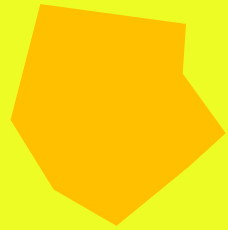
Low biodiversity
impact

High biodiversity
impact



Low biodiversity
impact

High biodiversity
impact



Extra due
diligence

Where next?

Dec 2011 – initial workshop ICCB Auckland NZ

Jun 2012 – Framing workshop, Cambridge UK

Jul 2012 – draft documents

2012 – regional consultations in Bangalore & at
ECCB Glasgow

Sep 2012 – presentation at World Conservation
Congress, Jeju Korea

2013 ... – launch of new standard

Opportunities to engage

Directly, e.g. Shell

As Proteus partners

Through UNEP-WCMC

www.iucn.org/about/union/commissions/wcpa/wcpa_what/wcpa_science/biodiversity_and_protected_areas/



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