



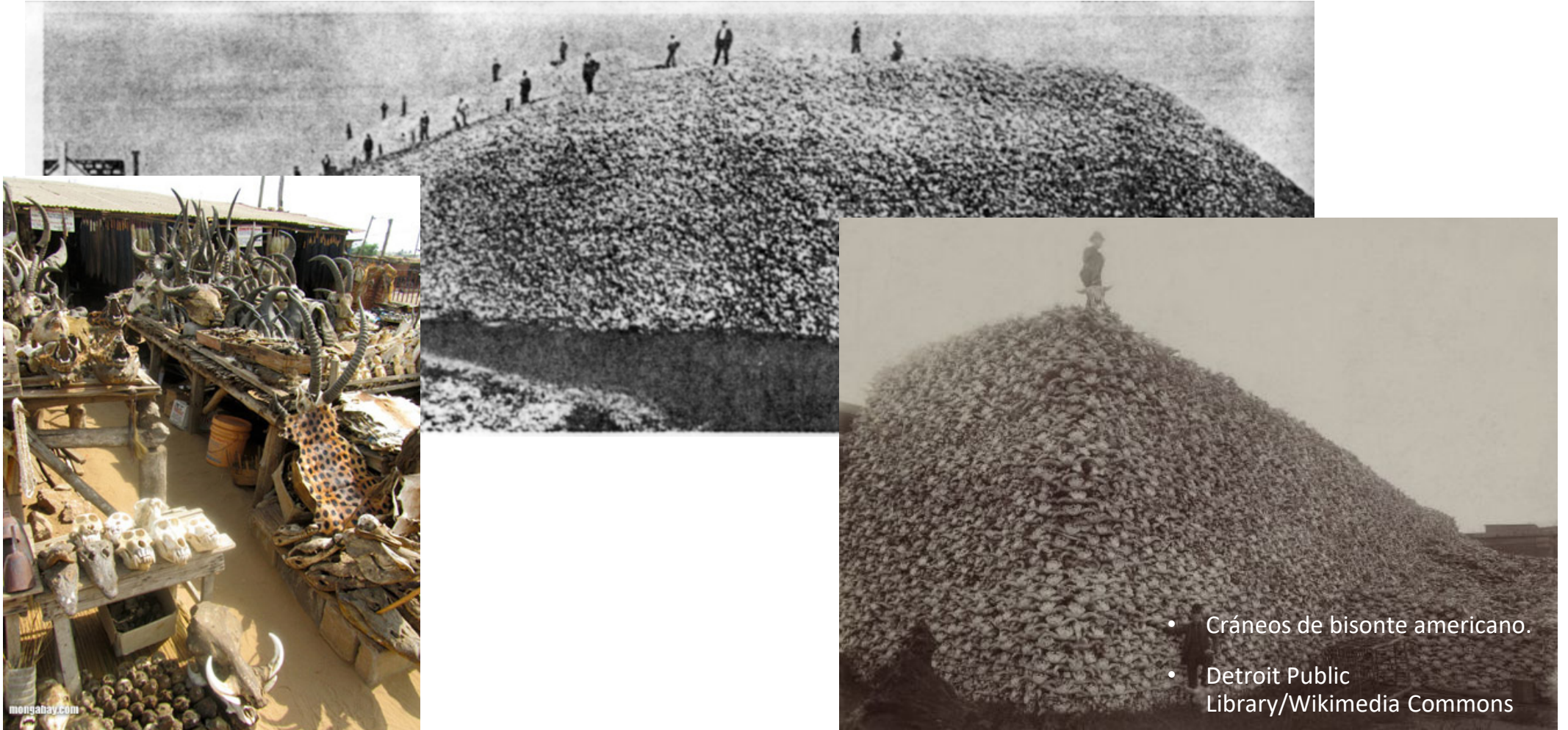
La Lista Roja de la UICN El Barómetro de la Vida

Catherine Numa Valdez

Centro de Cooperación para el Mediterráneo de la UICN, Málaga

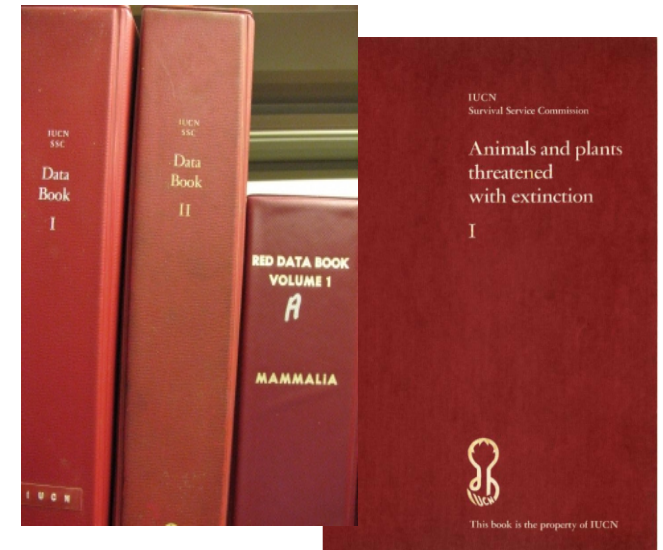
CONAMA2022

Los orígenes de la Lista Roja



Los orígenes de la Lista Roja

- La UICN se fundó en 1948. El artículo 1 (2) de la Constitución de la UICN encomendó a la Unión una responsabilidad especial para "...la preservación de las especies amenazadas de extinción".



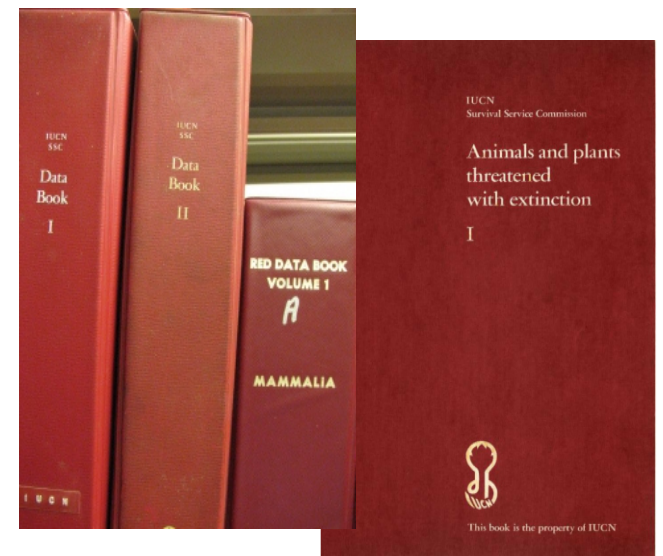
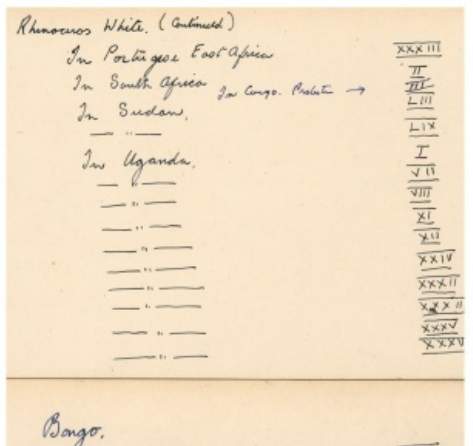
Los orígenes de la Lista Roja



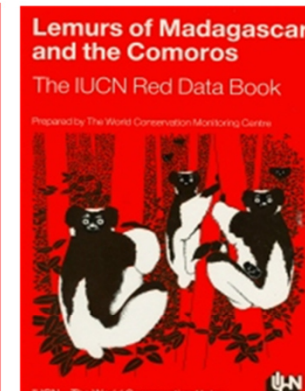
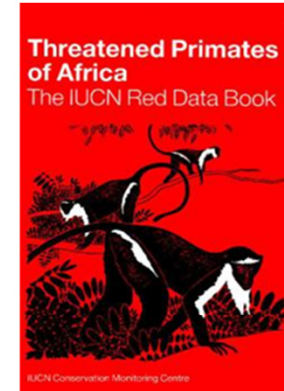
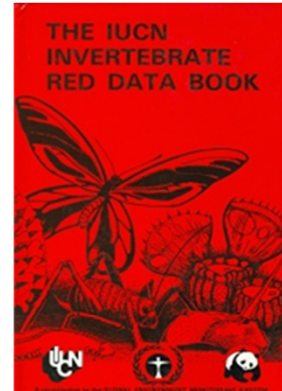
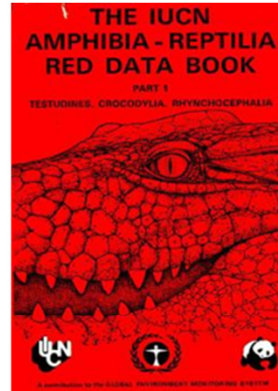
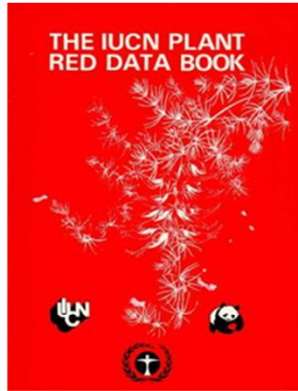
RED LIST Guiding Conservation for 50 Years

50 FASCINATING FACTS

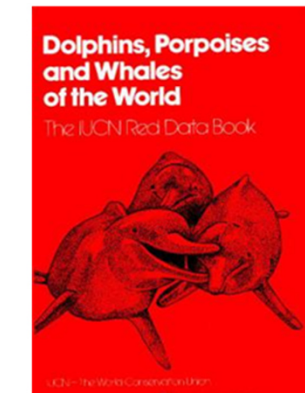
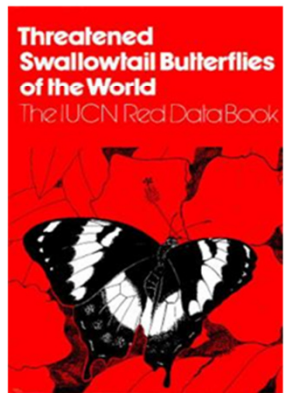
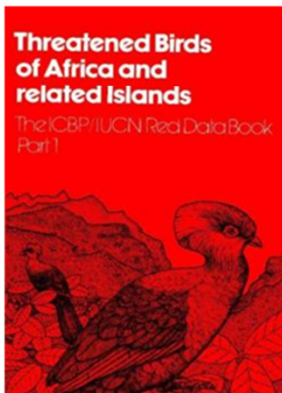
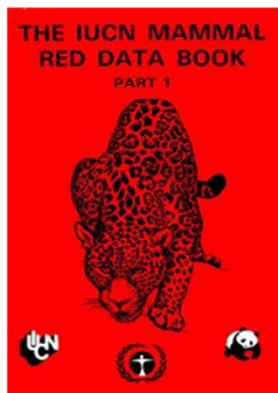
2 The early beginnings of the IUCN Red List of Threatened Species™ started in the 1950s with a card index system documenting data on threatened mammals and birds; implemented by the Danish Lieutenant-colonel Rasmus-Vilhelm Hoier, and subsequently maintained by Jean-Jacques Petter at the Natural History Museum in Paris and by the pioneering British ecologist Colonel Leofric Boyle (pictured).



Los orígenes de la Lista Roja

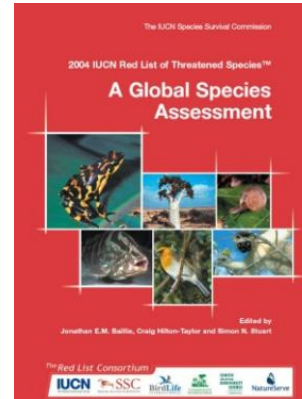
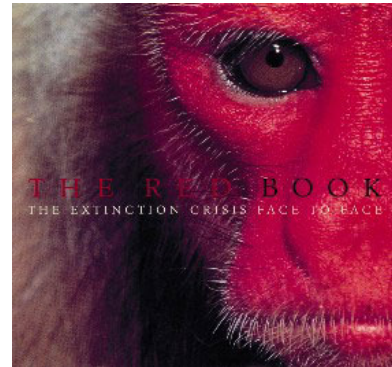
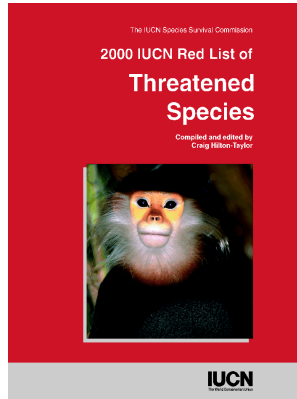


1978 1981 1982 1983 1985 1988 1990 1991

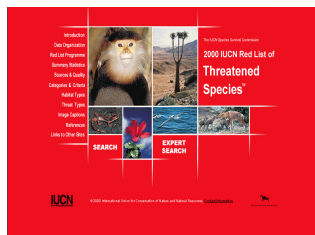


Versión 1.0

Los orígenes de la Lista Roja

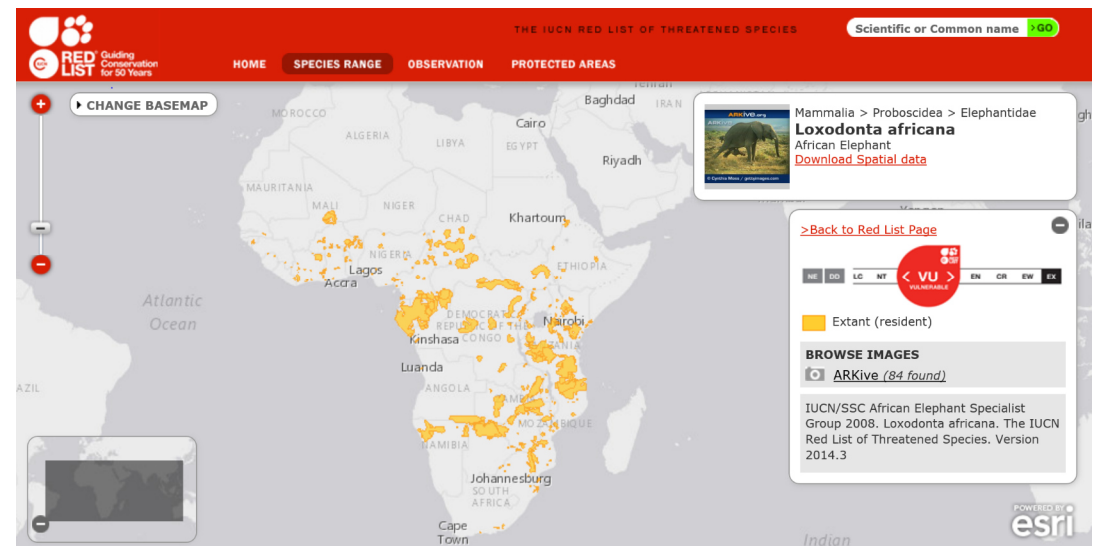
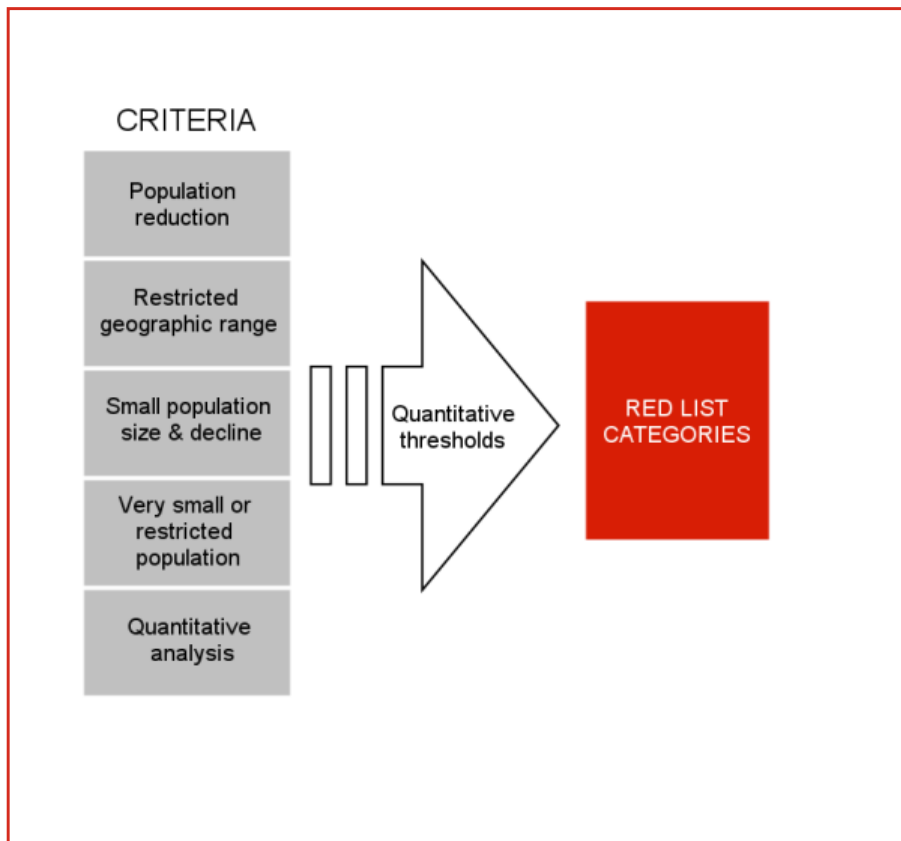


Version 3.0



Cómo funciona: Criterios

- La Lista Roja evalúa el riesgo de extinción



THE IUCN RED LIST OF THREATENED SPECIES

Scientific or Common name >GO

HOME SPECIES RANGE OBSERVATION PROTECTED AREAS

CHANGE BASEMAP

Mammalia > Proboscidea > Elephantidae
Loxodonta africana
African Elephant
[Download Spatial data](#)

>Back to Red List Page

Extant (resident)

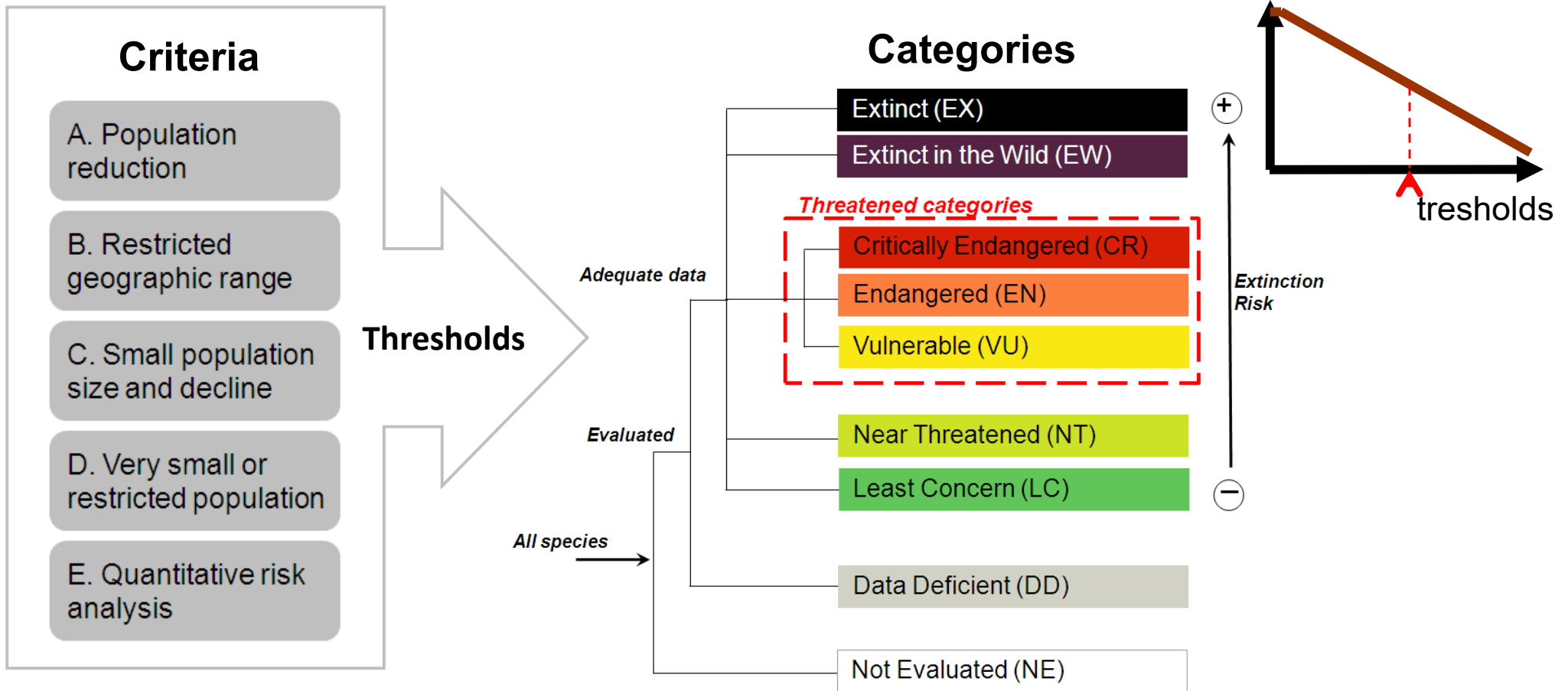
BROWSE IMAGES
[ARKive \(84 found\)](#)

IUCN/SSC African Elephant Specialist Group 2008. Loxodonta africana. The IUCN Red List of Threatened Species. Version 2014.3

POWERED BY esri



Categorías y criterios de la Lista Roja de la UICN





La Lista Roja de Especies Amenazadas de la UICN

La fuente de información más completa sobre el estado de conservación global de las especies de animales, hongos y plantas

- 2021 sitio web:
 - 2.7 millones de visitantes
 - >18 millones de descargas de maps de distribución



Kevin Schafer



Objetivo

Catalizar la acción para la conservación de la biodiversidad proporcionando información y análisis sobre las especies del mundo, incluidas las amenazas, el estado de la población y las tendencias



La Lista Roja de Especies Amenazadas de la UICN

- Establecer una línea de base a partir de la cual supervisar los cambios en el estado de la biodiversidad
- Proporcionar un contexto global para el establecimiento de prioridades de conservación a nivel nacional y regional
- Supervisar, de forma continua, el estado de una selección representativa de especies (como indicadores de biodiversidad) que abarcan todos los principales ecosistemas del mundo = Índice de la Lista Roja y el RLI muestreado.





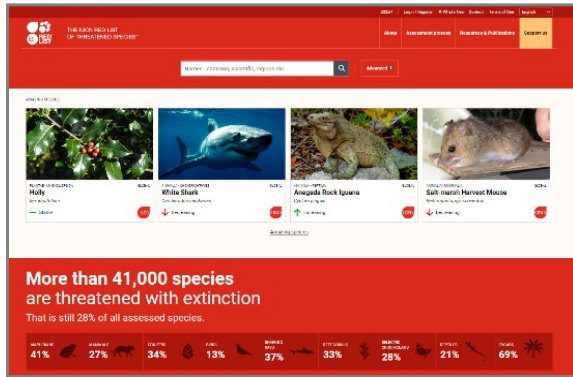
¿Quiénes participan?

- Comisión de Supervivencia de Especies de la UICN: ~10.000 científicos y expertos
- Centro de Ciencia y Datos de la UICN: Equipos de ciencia, evaluación y conocimiento de la biodiversidad
- El consorcio para la Lista Roja de la UICN



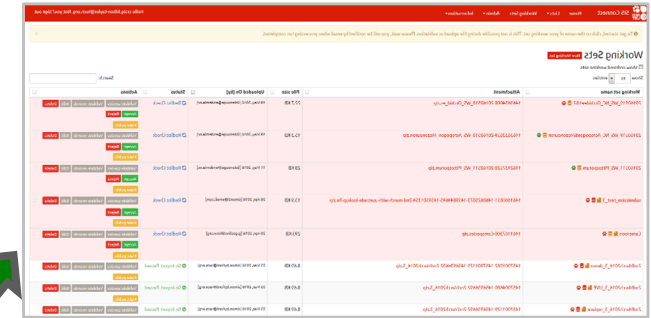


Arquitectura de las aplicaciones de la Lista Roja



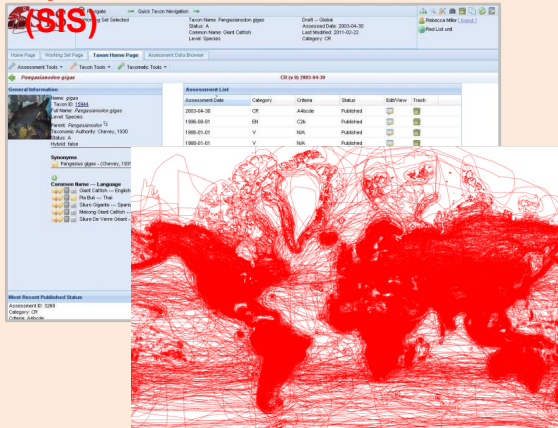
IUCN Red List Website

- ~3 M visitors/year
- Spatial and non-spatial data available for download



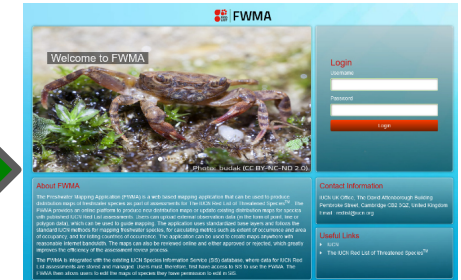
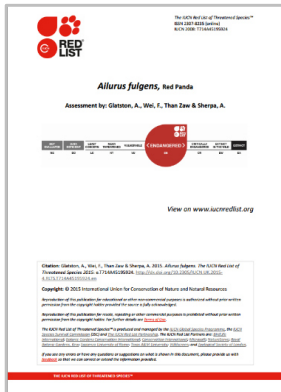
SIS Connect: Interface to external databases for imports and exports

Species Information Service (SIS)



Data Capture/Management

System for generating assessment PDFs and assigning DOIs



Knowledge Frontiers e.g. eDNA

APIs – provide linking to external systems/databases



IUCN Red List API v2

The Red List API has been recently improved to offer more methods for querying the red list data. Please make sure to use the correct methods for what you need.

You will also need a token before being able to use the API

[API Information >](#)

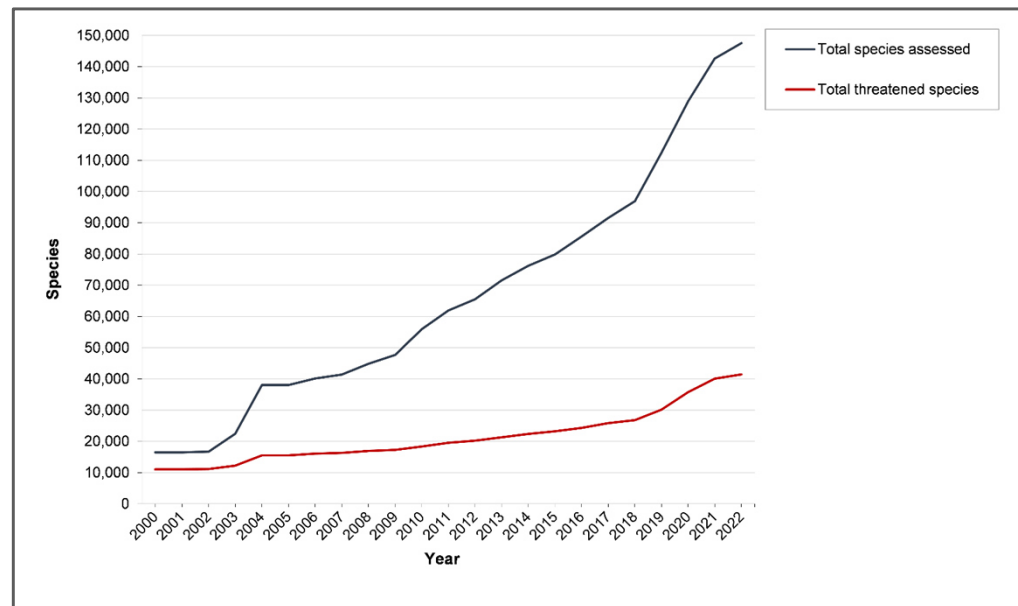
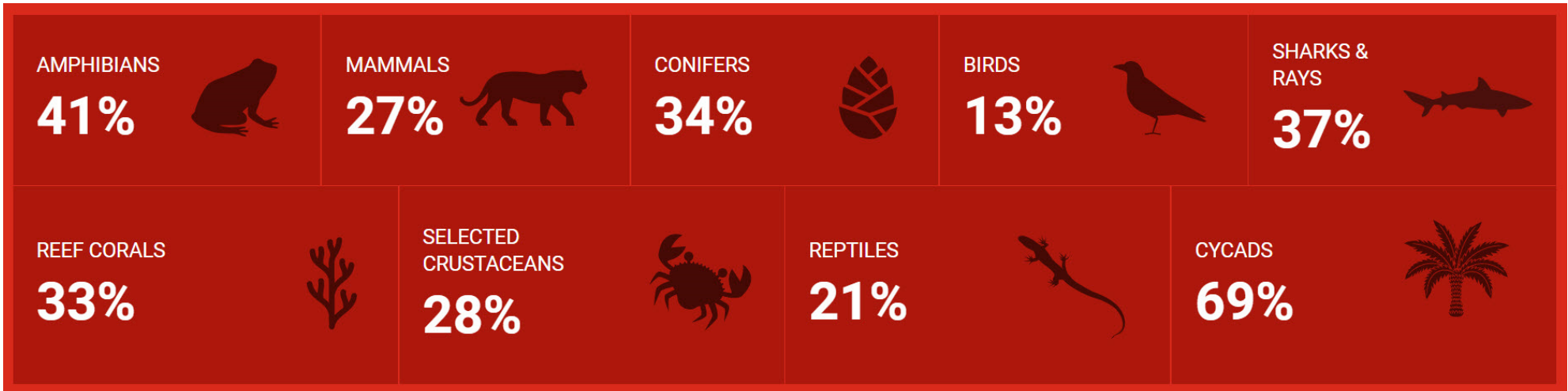
[Citation and acknowledgement >](#)

Derivatives from Red List data made available for display and download

Group(s)	All Red List Categories	Threatened Species
Amphibians, Birds and Mammals	species richness raster (zipped geotiff file) high resolution image (png)	species richness raster (zipped geotiff file) high resolution image (png)
Amphibians	species richness raster (zipped geotiff file) high resolution image (png)	species richness raster (zipped geotiff file) high resolution image (png)

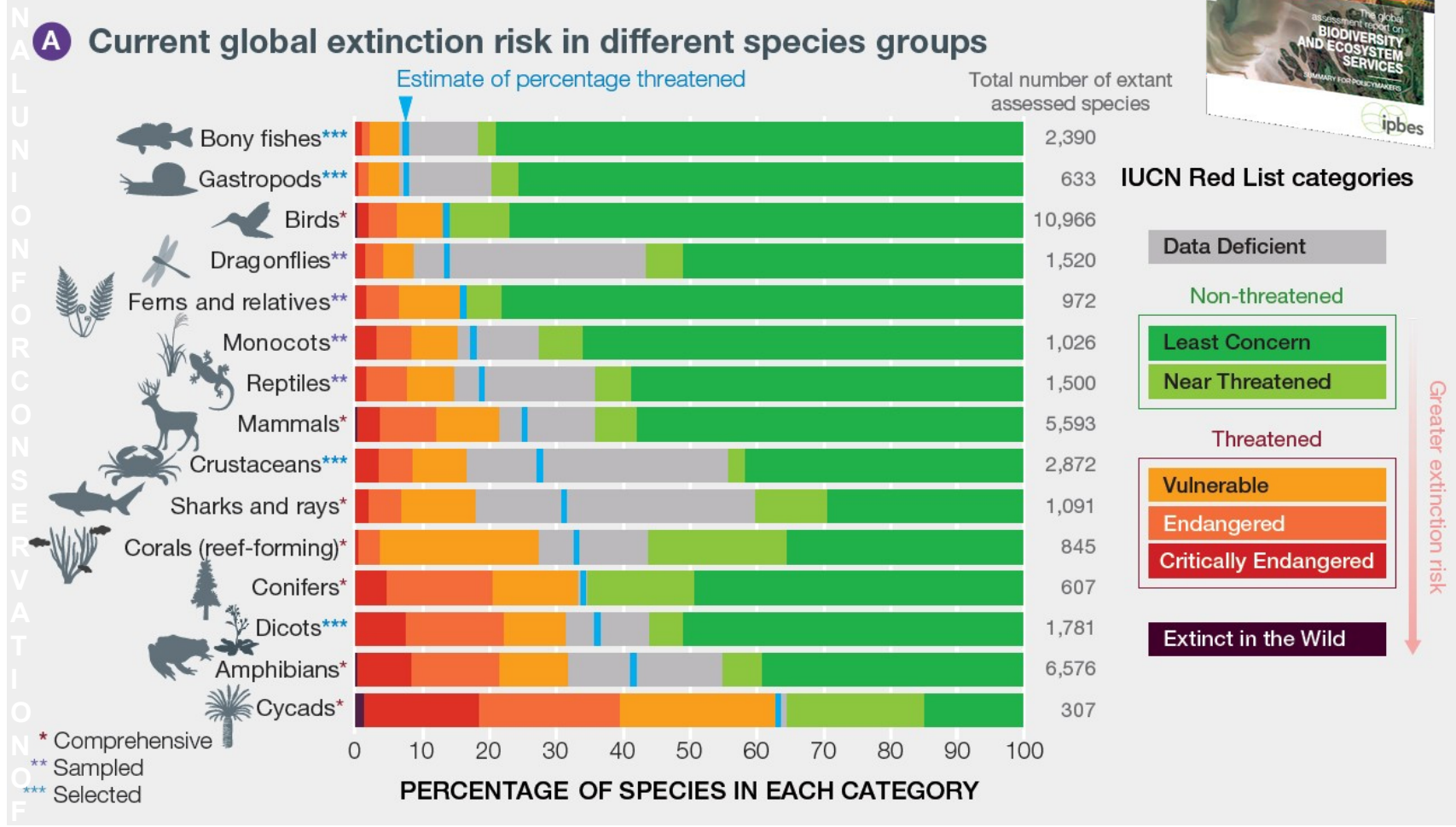
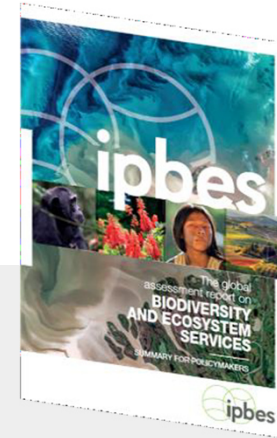


147,517 especies evaluadas 41,459 amenazadas de extinción

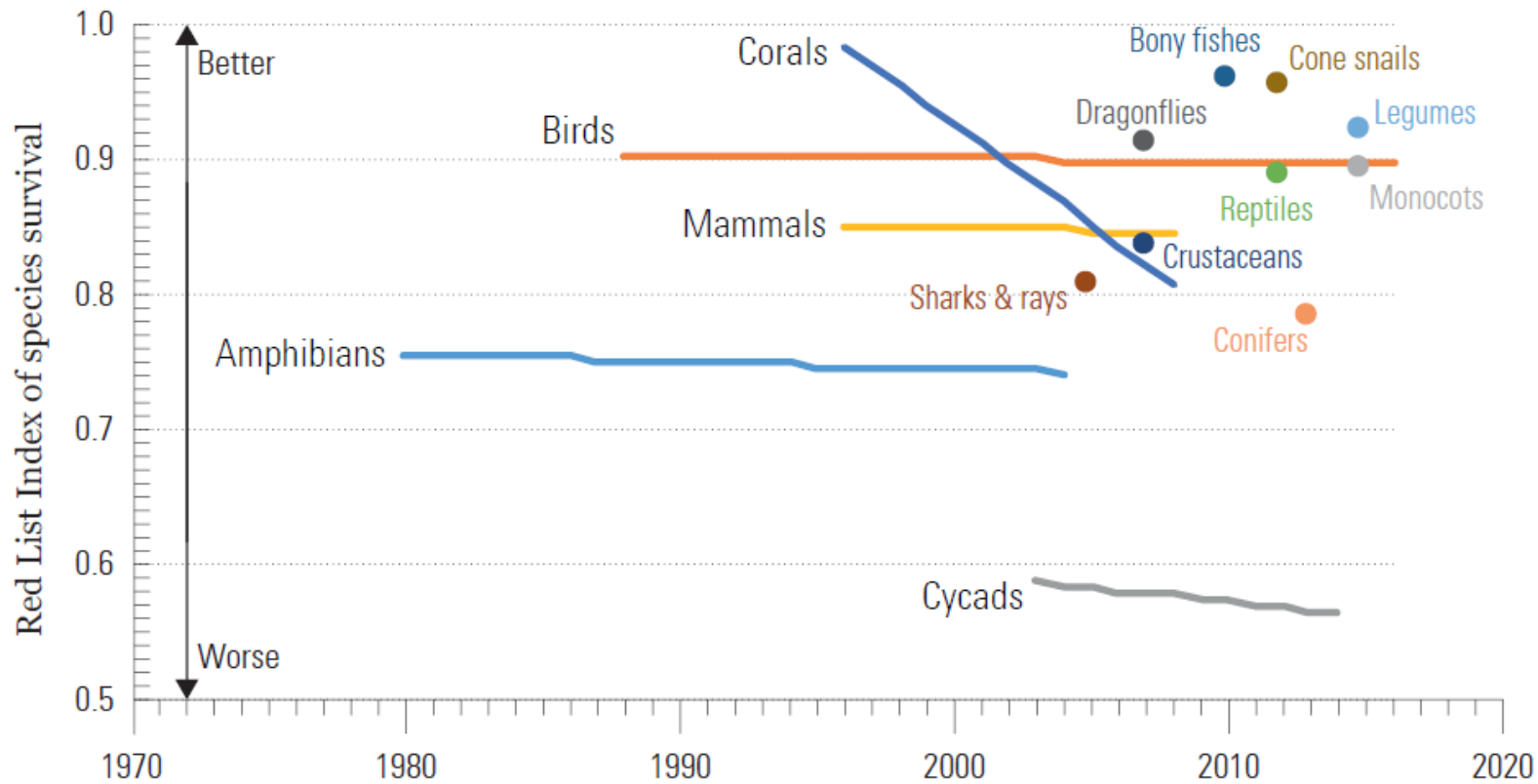


7% de los 2 millones de especies descritas

El estado de la biodiversidad



El índice de supervivencia de especies



Source: WWF (2020)
Living Planet Report 2020 - Bending the curve of biodiversity loss. Almond, R.E.A., Grooten M. and Petersen, T. (Eds). WWF, Gland, Switzerland.

The Mediterranean, a global priority for conservation

Almost **6000** species assessed, **25%*** threatened, but there are so many more!

WHO

Threatened species in the Mediterranean: the real situation

As of today, almost 6000 species have been assessed for their conservation status in the Mediterranean region, and 25%* were classified as threatened. Of these threatened species, 69% are animals and 31% are plants. The highest percentage of threatened animals are freshwater species (319 species of mollusks and 225 fishes). On the other hand, it is estimated that there are 25000 vascular plant species in the Mediterranean. With just approximately 7% of Mediterranean plants already assessed, 28% of those have already been classified as threatened. With these early figures in hand, most freshwater species and plants have proven to be worthy of particular concern.

Additionally, 32 Mediterranean species are already known to be globally Extinct (EX), or Extinct in the Wild (EW): 11 freshwater fishes; two mammals; one reptile; 14 freshwater mollusks; and four plants.



EX Gölçük Toothcarp
Aphanius splenders

Endemic species from Turkey. This species was already Extinct by the 1980s due to the effects of introduced non-native fishes.

WHERE

How many threatened species are there in your country?

From North to South and East to West, when it comes to threatened species, each country has its share. In terms of distribution, the highest proportions are located in Spain, Greece and Turkey.

1 VERTEBRATES

2236

430:

106 148 176

CR EN VU

Freshwater fishes

41% 100%

Marine fishes

13% 100%

Reptiles

23% 90%

Mammals

18% 99%

Amphibians

30% 98%

Birds

6% 99%

INVERTEBRATES 1938

470:

111 187 172

CR EN VU

Freshwater molluscs

59% 97.8%

Dragonflies & Damselflies

10% 95%

Dung Beetles

20% 34.5%

Butterflies

4% 100%

Anthozoa

25% 92%

Freshwater crabs, crayfish and shrimps

25% 94%

PLANTS 1784

396:

113 136 147

CR EN VU

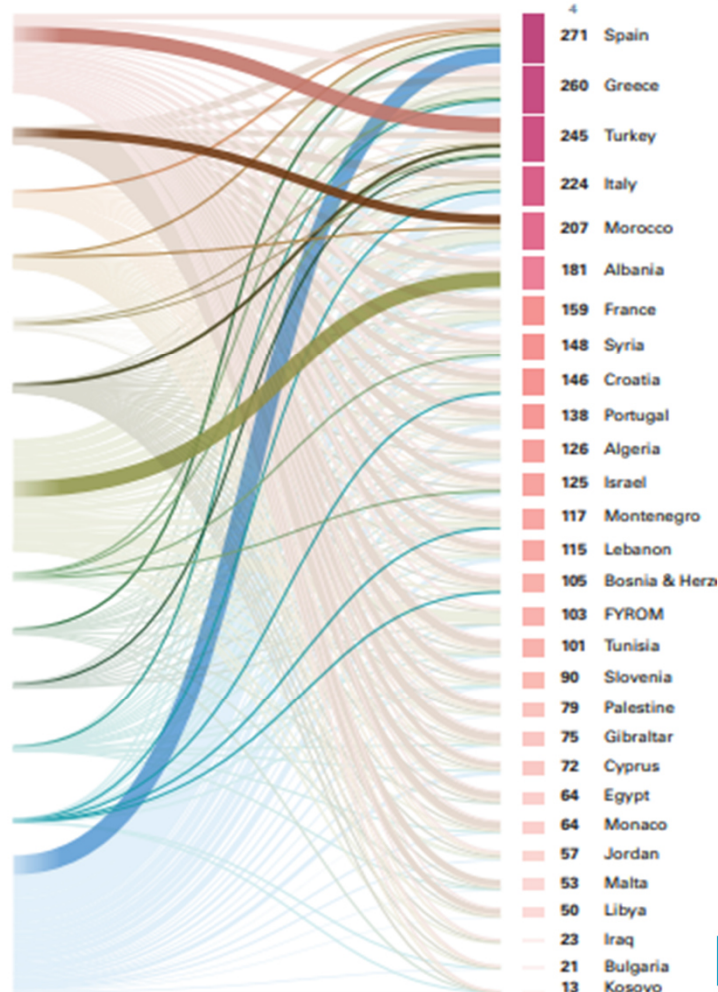
Plants

25% 8%

HOW TO READ THIS GRAPH

- 1 Taxonomic group
 - 2 Total taxa assessed
 - 3 Total threatened taxa
 - 4 Globally threatened species by country
- CR Critically endangered
 - EN Endangered
 - VU Vulnerable
- % estimated completeness of IUCN Red List assessment at Mediterranean and Global
 - % estimated threatened taxa in Mediterranean region (mid-point)
 - Distribution of threatened taxa by group and country
 - (Bold lines) Main location of threatened taxa

Source: Conservation International



* This percentage is the mid-point value, it assumes that a similar relative proportion of the Data Deficient (DD) species are likely to be threatened, and provides the best estimation of the proportion of threatened species (source IUCN)

WHY

The main drivers of extinction

Despite the natural resilience of the Mediterranean species and ecosystems, pressures from increasing human population and development are leading to biodiversity loss, habitat degradation, and elimination. Activities related to natural system modifications, pollution, and agriculture are the main threats affecting the unique biodiversity of the unique, yet fragile, Mediterranean region.

The findings of this research concluded that the main threat to freshwater species appears to be dams, for terrestrial species the primary threat is agriculture, for marine species the main driver is overfishing.

VU Splendid Cruiser
Macromia splendens



What are Natural system modifications?

Natural system modifications are actions that convert or degrade habitat, often to improve human welfare. They are associated with changes to natural processes such as fire, hydrology, and sedimentation (land reclamation projects, abandonment of managed lands, rip-rap along shoreline,

mowing grass, tree thinning in parks, beach construction, removal of snags from streams, etc.)

Source: The Open Standards

FRESHWATER 169 threatened species

Natural system modifications	426
Pollution	339
Climate change & severe weather	241
Invasive and other problematic species	138
Agriculture & aquaculture	81
Residential & commercial development	74
Human intrusions & disturbance	67
Biological resource use	60
Transportation & service corridors	33
Energy production & mining	15
Geological events	0

TERRESTRIAL 197 threatened species

Agriculture & aquaculture	348
Residential & commercial development	252
Invasive and other problematic species	201
Natural system modifications	201
Biological resource use	192
Human intrusions & disturbance	173
Transportation & service corridors	127
Climate change & severe weather	114
Pollution	91
Geological events	88
Energy production & mining	55

MARINE 10 threatened species

Biological resource use	83
Climate change & severe weather	21
Invasive and other problematic species	18
Residential & commercial development	15
Pollution	14
Human intrusions & disturbance	13
Energy production & mining	11
Transportation & service corridors	7
Natural system modifications	5
Agriculture & aquaculture	2
Geological events	2

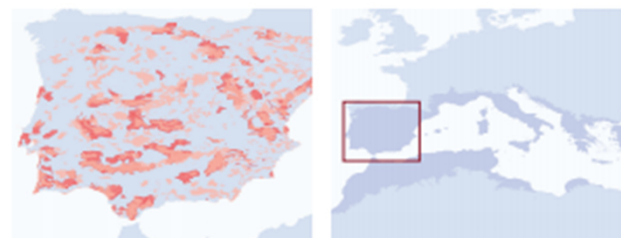
HOW

How can we halt this decline?

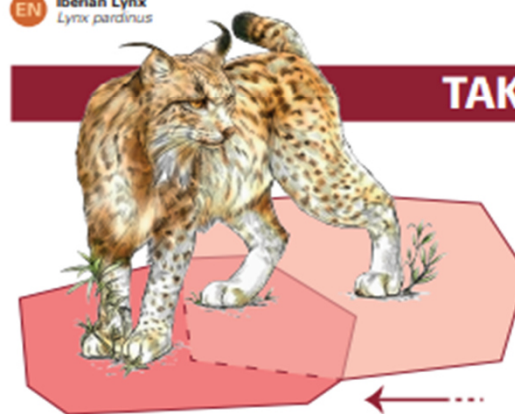
KBAs, a good start

KBAs show us where actions need to be taken in order to save species from extinction. They are a key tool to concentrate efforts and resources that will halt this decline, guiding decision-makers in improving and expanding their protected areas networks, and advising the private sector on concrete ways to minimize and mitigate their impact on nature.

The study of 16 countries shows that only 14% KBAs are in a protected area. That leaves 86% KBAs and their endangered inhabitants almost abandoned to their fate, without proper management plans that take their protection into account.



EN Iberian Lynx
Lynx pardinus



TAKE ACTION

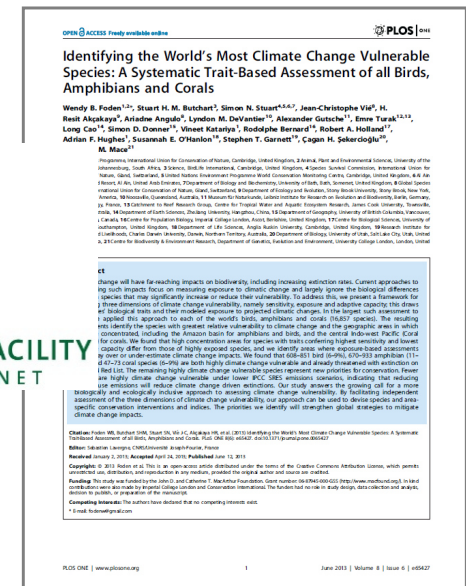
1. Support the inclusion of KBAs within the boundaries of protected areas.
2. Improve the management plan of protected areas to include species at the border of extinction.

Cómo se utiliza la Lista Roja de la UICN?

- Informar para las políticas
- Investigación científica
- Medir tendencias
- Asignación de recursos
- Planificación de la conservación
- Mejora de la toma de decisiones
- Aumentar la concienciación



GLOBAL ENVIRONMENT FACILITY
INVESTING IN OUR PLANET

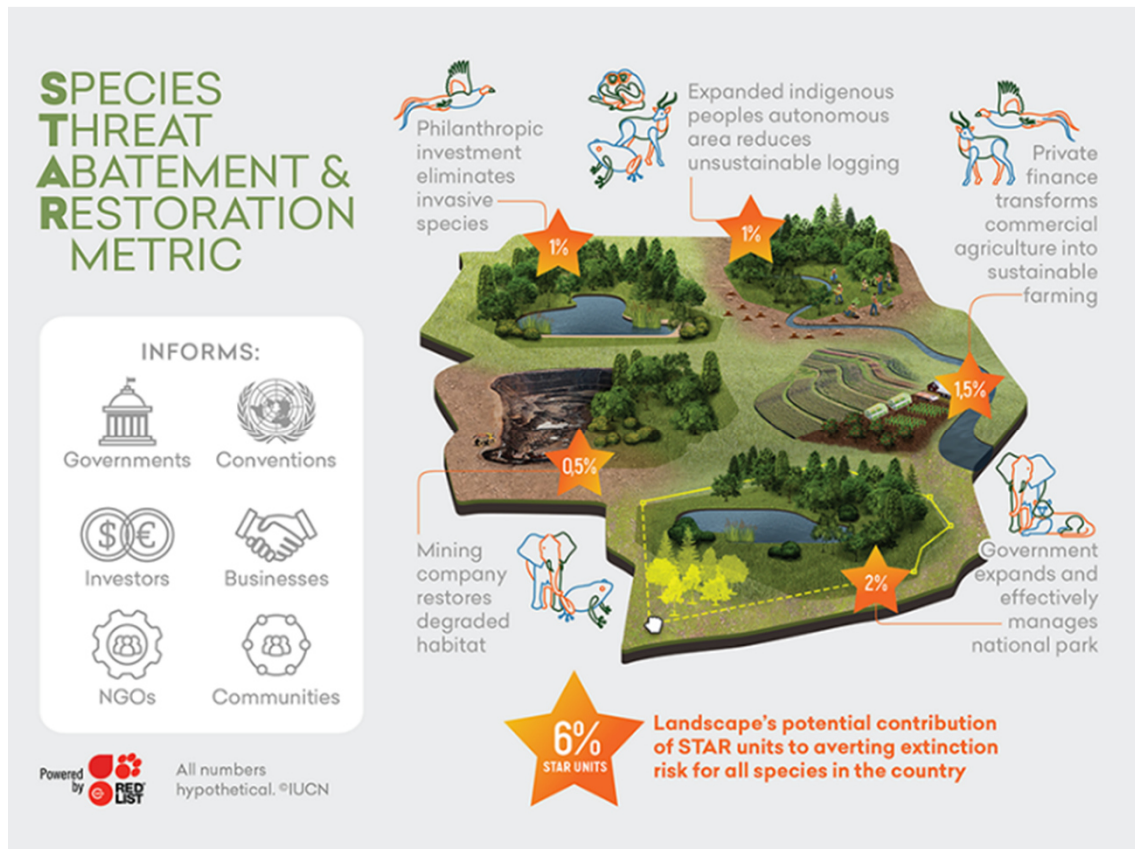


Bolam et al. (2020) [Conservation Letters](#) e12762:

- Desde 1993, se habrían perdido entre 28 y 48 especies de aves y mamíferos sin las intervenciones de conservación.
- Pero las tasas de extinción han sido 3-4 veces mayores.
- 21 aves se beneficiaron del control de IAS, 20 de Conservación *ex situ*, y 19 de la protección de sitios.
- 14 mamíferos se beneficiaron por la legislación y 9 por las reintroducciones.



La Lista Roja sirve de base para otros indicadores



La métrica STAR mide la contribución que pueden hacer las inversiones para reducir el riesgo de extinción de las especies.

Ayuda a los gobiernos, las ciudades, la sociedad civil, el sector financiero, los inversores y las empresas a orientar sus inversiones y actividades para conseguir resultados de conservación y contribuir a los objetivos políticos globales.



Fronteras del conocimiento e innovación - eDNA



Mapping the world's biodiversity using environmental DNA

A PARTNERSHIP BETWEEN



AND



Actualización de la Lista Roja de la UICN con el seguimiento del ADN ambiental (ADNe): localización de especies de agua dulce raras, amenazadas y desconocidas que no están registradas. 30.000 sitios revisados en todo el mundo.

El gran plan para la naturaleza



- El Marco de Biodiversidad Post-2020 se adoptará en la COP15 del CDB, en diciembre de 2022, en Montreal
- Detener e invertir la pérdida de biodiversidad para 2030 y lograr su recuperación y restauración para 2050
- La UICN influye en el Objetivo 2050 para la conservación de las especies y en la Meta de Acción 2030 para reducir la extinción de especies - y lograr su recuperación a gran escala
- Lista roja: base de las medidas que deben adoptarse
- El Índice de la Lista Roja para supervisar los avances



El objetivo es hacer que
la Lista Roja de la UICN sea más
completa

“Barómetro de la vida”

Una base taxonómica más amplia para la
evaluación de las especies permitirá
tomar mejores decisiones políticas y de
conservación.

*"La Lista Roja de la UICN nos indica dónde
debemos preocuparnos y dónde es urgente
hacer algo para evitar el saqueo de este
mundo. Es una gran agenda para el trabajo
de los conservacionistas".*

Sir David Attenborough



Gracias!

Sitio web de la UICN

www.iucn.org

www.iucnredlist.org

Centro de Cooperación del Mediterráneo

www.iucn.org/mediterranean



[iucn.org](https://www.facebook.com/iucn.org)

[@IUCNMed](https://www.facebook.com/IUCNMed)



[@IUCN](https://twitter.com/IUCN)

[@IUCN_Med](https://twitter.com/IUCN_Med)



youtube.com/iucn

Gracias!

Regional Red List Categories & Criteria

- The IUCN Red List Categories and Criteria were developed for assessing extinction risk at the global level, considering the global population of a taxon.
 - If the criteria are used on their own to assess non-endemic species at regional or national levels, this could result in incorrect assessments.
 - Recognizing the need for coherent guidelines for the application of IUCN Red List Categories at regional and national levels, IUCN developed the Guidelines for Application of the IUCN Red List Criteria at Regional and National Levels (= "Regional Guidelines").
-

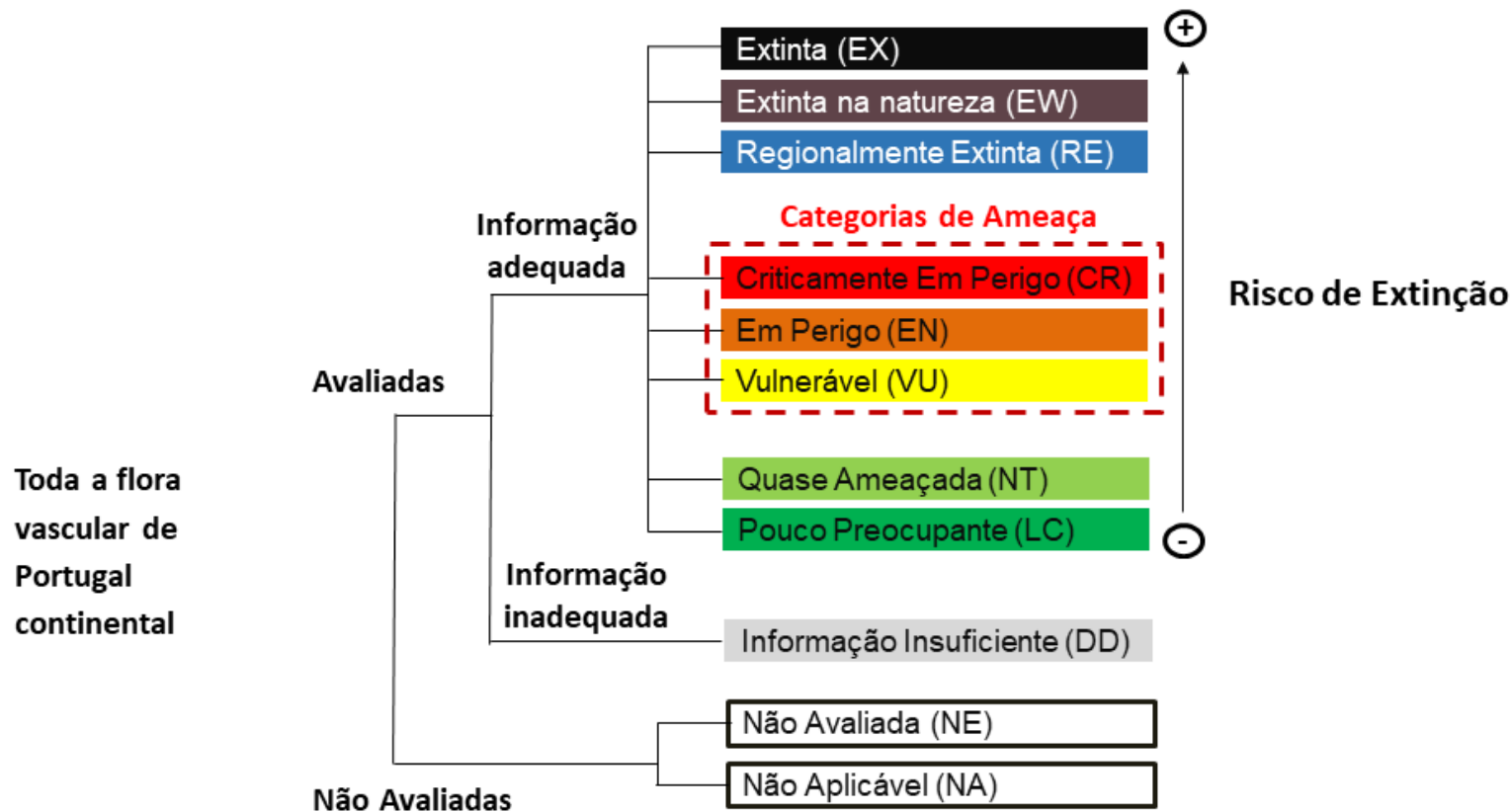
The last wake-up call?



Western Lowland Gorilla

Regional Red List Categories & Criteria

Avaliação de âmbito regional – 11 categorias



IUCN Regional assessment initiatives

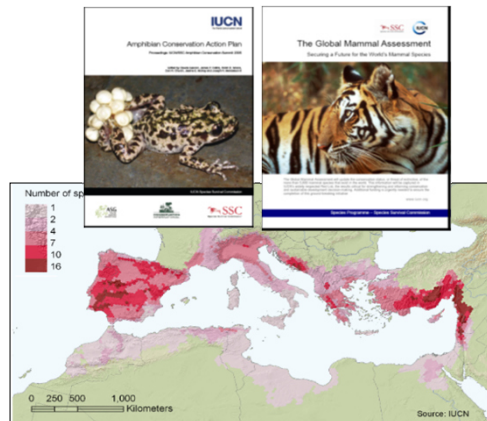
IUCN has five recognised (= published to The IUCN Red List) regional assessment initiatives.

In Portugal;

- Mediterranean Red List: focused on the Mediterranean Biodiversity Hotspot, covers more than 30 states.
 - European Red List: assesses species at two scales – ‘Pan Europe’ and for the EU Member States.
-

How are the IUCN Red List & national Red Lists used?

- Analysis and information
- Conservation planning and priority-setting
- International conservation policy
- Influencing funding allocations
- Private sector decision-making
- Education and public awareness





Los orígenes de la Lista Roja

UNION INTERNATIONALE
POUR LA
CONSERVATION DE LA NATURE
ET DE SES RESSOURCES

INTERNATIONAL UNION
FOR
CONSERVATION OF NATURE
AND NATURAL RESOURCES

SEPTIÈME RÉUNION TECHNIQUE
SEVENTH TECHNICAL MEETING

ATHÈNES - ATHENS, SEPT. 1958

Colloque du Service de Sauvegarde
Symposium of the Survival Service



VOLUME V.

Les rapports présentés à ce Congrès ont tout d'abord pour but de faire le point quant au statut actuel des espèces les plus menacées, en ce qui concerne l'importance de leurs peuplements ou de leurs effectifs, aussi bien que leur localisation géographique actuelle.

Le nombre de plantes gravement menacées est très important comme le prouvent les rapports des botanistes; parmi celles-ci figurent surtout les plantes endémiques très étroitement localisées, et beaucoup d'espèces relictées, notamment des relictées glaciaires, dont les stations et les aires disjointes sont d'un intérêt biogéographique évident. Certaines de ces plantes ne survivent plus que par quelques unités. Le meilleur exemple est celui que signale M^{lle} A. Messeri quant au sapin *Abies nebrodensis*, disparu à l'état sauvage à l'heure actuelle. L'exemple de ce conifère montre par ailleurs l'énorme intérêt pratique

PROTECTION OF THE FLORA
AND PLANT COMMUNITIES IN PORTUGAL (1)

BY

C. N. TAVARES

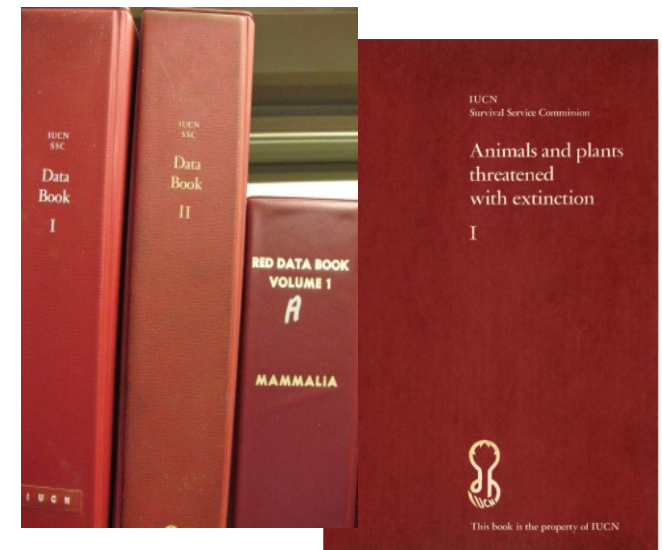
President of the Portuguese League for the Protection of Nature,
Professor of Botany at Lisbon University

There are numerous taxonomical entities and plant communities that in our opinion deserve the enforcement of efficient protection measures in order to keep them from complete extinction within the metropolitan Portuguese territory. The protection of the former demands measures destined to defend both the plants and their habitats, which must be kept under scientific supervision.

The taxa and their respective habitats which seem to be in most urgent need of protection are those remarkable for their special rareness or scientific interest, and those occurring in areas which are threatened by harmful human influence. In this situation are representatives of the following genera of vascular plants : *Trichomanes*, *Notholaena*, *Culcita*, *Allosorus*, *Lycopodium*, *Taxus*, *Pinus*.

Los orígenes de la Lista Roja

- Los primeros Libros Rojos de la UICN se publicaron en 1962
- *La Lista Roja de Especies Amenazadas de la UICN, establecida en 1964*
- Ya se han evaluado 120.371 taxones para la Lista Roja de Especies Amenazadas de la UICN



Que es la Lista Roja de la UICN?

La fuente de información más completa sobre el riesgo de extinción de las especies

- No es sólo una lista, sino una recopilación del estado de conservación de las especies a nivel mundial
- Basado en la mejor información científica disponible
- Ampliamente utilizado para informar e influir en la conservación de la biodiversidad

The IUCN Red List of Threatened Species™ 2012.2

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RED LIST

Enter Red List search term(s) GO OTHER SEARCH OPTIONS

DONATE NOW!

LEAST CONCERN NEAR THREATENED VULNERABLE **ENDANGERED** CRITICALLY ENDANGERED EXTINCT IN THE WILD EXTINCT

LC NT VU EN CR EW EX

Users' guide to The IUCN Red List web site
03 April 2009 - In October 2000, the IUCN Red List web site was given a brand new look. The new site has more functionality than ever before. This also means that the site has more detailed search pages that... [more](#)

New report warns of uncertain future for African elephants
06 March 2013 - Bangkok, 6 March 2013 - Populations of elephants in Africa continue to be under severe threat as the illegal trade in ivory grows - with double the numbers of elephants killed and triple the... [more](#)

New data on African elephant populations released
04 March 2013 - The fifth update on the status of the African elephant released today covers 37 range States and includes new or updated information for 194 sites, including 39 new survey areas, mainly in... [more](#)

Time to put a stop to illegal wildlife trade, says IUCN
04 March 2013 - Bangkok, Thailand, 28 February 2013 - Poaching, illegal trade and other important issues facing wildlife today will be discussed at the 16th Meeting of the Conference of the Parties... [more](#)

African rhinos won't hold out for much longer, IUCN experts warn
26 February 2013 - Gland, Switzerland, 26 February 2013 - Nearly 2,400 rhinos have been poached across Africa since 2006, skewing the population growth of both African rhino species to some of the... [more](#)

Dyopsis macdonaldiana
© J Dransfield, RBO Kew

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IUCN SSC
Specialist Groups Commission

Que es la Lista Roja de la UICN?

- Much more than just names and threat categories
- Includes information on threats (e.g. invasive species), trade & use, ecological requirements, and conservation action
- Species assessments are generated through the knowledge of thousands of the world's leading scientists.
- Online scientific journal status (doi)



What is the IUCN Red List?

IUCN Red List assessment: an estimate of **extinction risk**

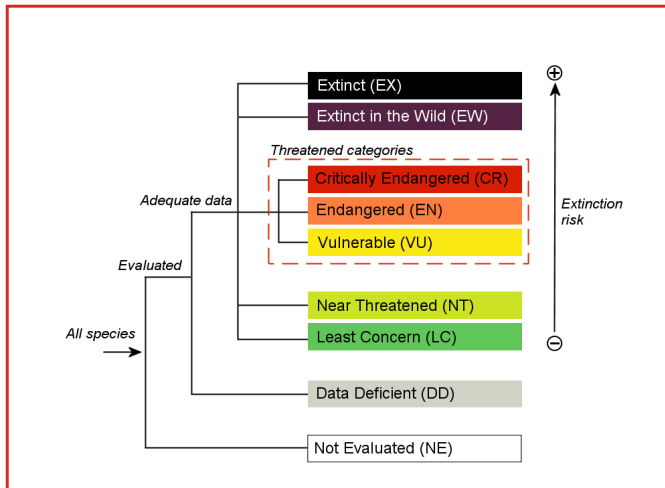
The likelihood of a species becoming extinct in the near future, given current knowledge about **population size & trend, ecological requirements, range, and recent, current or projected threats.**

It is not in itself a list of species that are priorities for conservation action.



Illustration copyright Bob Diven

How it works: the Red List Categories



Amazing Species: Blue-and-yellow Macaw

The **Blue-and-yellow Macaw**, *Ara ararauna*, is listed as Least Concern on the IUCN Red List of Threatened Species™. This species has an extremely large range and is found throughout subtropical and tropical forests, woodlands and savannahs, in South America, from Venezuela to Brazil, Bolivia, Colombia and Paraguay. They are also found in Mexico and Panama.

Geographical range

Knowledge of Experts Get Involved

This striking and charismatic bird has been exploited for the illegal pet trade, representing the biggest threat to this species for several decades. However, although numbers of Blue-and-yellow Macaws appear to be decreasing, the species has a very wide distribution range and the rate of decline is not considered to be sufficient to warrant listing in a threatened category.

Blue-and-yellow Macaws receive protection through listing on Appendix II of the Convention on International Trade of Endangered Species (CITES) and also through the European Union Wildlife Trade Regulations. Even though this species is strictly protected against international pet trade, wild-caught individuals have been recorded in international trade.



The production of the IUCN Red List of Threatened Species™ is made possible through the IUCN Red List Partnership.

The qualitative Criteria

5 critérios para avaliar se um táxon se enquadra numa categoria de ameaça:

A – Redução do tamanho da população

B – Alcance geográfico

C – Dimensão e declínio de populações pequenas

D – Populações muito pequenas ou restritas

E – Análise quantitativa

RESUMO DOS CINCO CRITÉRIOS (A-E) UTILIZADOS PARA AVALIAR SE UM TÁXON PERTENCE A ALGUMA CATEGORIA DE AMEAÇA PARA LISTAS VERMELHAS DA IUCN (CRITICAMENTE EM PERIGO, EM PERIGO OU VULNERÁVEL).¹

A. Redução do tamanho da população. Redução da população (medida em 10 anos ou em 3 gerações – o que for mais longo) baseada em qualquer um de A1 a A4			
	Criticamente em Perigo	Em Perigo	Vulnerável
A1	≥ 90%	≥ 70%	≥ 50%
A2, A3 & A4	≥ 80%	≥ 50%	≥ 30%
A1	Redução populacional observada, estimada, inferida ou suspeitada no passado, em que as causas da redução são claramente reversíveis e compreendidas e tenham cessado.		
A2	Redução populacional observada, estimada, inferida ou suspeitada no passado, em que as causas da redução podem não ter cessado OU podem não ser compreendidas OU podem não ser reversíveis.		
A3	Redução populacional projetada, inferida ou suspeitada de vir a ocorrer no futuro (até um máximo de 100 anos) [a] não pode ser usada com A3].		
A4	Redução populacional observada, estimada, inferida, projetada ou suspeitada, num horizonte temporal que inclui o passado e o futuro (até um máximo de 100 anos para o futuro), em que as causas da redução podem não ter cessado OU podem não ser compreendidas OU podem não ser reversíveis.		
	baseada em qualquer uma das seguintes:		
	(a) observação direta [exceto A3]		
	(b) índice de abundância apropriado ao táxon		
	(c) declínio na área de ocupação (AOO), na extensão de ocorrência (EOO) e/ou na qualidade do habitat		
	(d) níveis de exploração, atuais ou potenciais		
	(e) efeitos de táxones introduzidos, hibridação, patógenos, contaminantes, competidores ou parasitas.		
B. Alcance geográfico seja na forma de B1 (extensão de ocorrência) E/OU B2 (área de ocupação)			
	Criticamente em Perigo	Em Perigo	Vulnerável
B1. Extensão de ocorrência (EOO)	< 100 km ²	< 5000 km ²	< 20 000 km ²
B2. Área de ocupação (AOO)	< 10 km ²	< 500 km ²	< 2000 km ²
E pelo menos 2 das seguintes 3 condições:			
(a) Severamente fragmentada OU número de localizações	= 1	≤ 5	≤ 10
(b) Declínio continuado observado, estimado, inferido ou projetado em qualquer uma de: (i) extensão de ocorrência; (ii) área de ocupação; (iii) área, extensão e/ou qualidade do habitat; (iv) número de localizações ou subpopulações; (v) número de indivíduos maduros			
(c) Flutuações extremas em qualquer uma de: (i) extensão de ocorrência; (ii) área de ocupação; (iii) número de localizações ou subpopulações; (iv) número de indivíduos maduros			
C. Dimensão e declínio de populações pequenas			
	Criticamente em Perigo	Em Perigo	Vulnerável
Número de indivíduos maduros	< 250	< 2500	< 10 000
E pelo menos um entre C1 e C2			
C1. Um declínio continuado observado, estimado ou projetado de, pelo menos (até um máximo de 100 anos no futuro):	25% em 3 anos ou 1 geração (o que for mais longo)	20% em 5 anos ou 2 gerações (o que for mais longo)	10% em 10 anos ou 3 gerações (o que for mais longo)
C2. Um declínio continuado observado, estimado, projetado ou inferido E pelo menos 1 das seguintes 3 condições:			
(i) Número de indivíduos maduros em cada subpopulação	≤ 50	≤ 250	≤ 1000
(ii) % de indivíduos maduros numa subpopulação =	90-100%	95-100%	100%
(b) Flutuações extremas no número de indivíduos maduros			
D. Populações muito pequenas ou restritas			
	Criticamente em Perigo	Em Perigo	Vulnerável
D. Número de indivíduos maduros	< 50	< 250	D1. < 1000
D2. Apenas aplicável à categoria VU			D2. tipicamente: AOO < 20 km ² ou número de localizações ≤ 5
Área de ocupação ou número de localizações muito restritos, com ameaça futura plausível que possa levar o táxon a CR ou EX a muito curto prazo.			
E. Análise quantitativa			
	Criticamente em Perigo	Em Perigo	Vulnerável
Indicando que a probabilidade de extinção na natureza seja:	≥ 50% em 10 anos ou 3 gerações, o que for mais longo (máx. 100 anos)	≥ 20% em 20 anos ou 5 gerações, o que for mais longo (máx. 100 anos)	≥ 10% em 100 anos

¹ O uso deste resumo requer uma completa compreensão dos documentos intitulados: "IUCN Red List Categories and Criteria" e "Guidelines for Using the IUCN Red List Categories and Criteria". Por favor, consulte ambos os documentos para explicações sobre os termos e conceitos aqui empregados. Tradução realizada no âmbito do projeto "Lista Vermelha da Flora Vasculosa de Portugal Continental", a partir do resumo em inglês da IUCN. Em caso de dúvida na interpretação deste resumo, consulte os documentos oficiais da IUCN.

Influencing funding allocations

Mohamed bin Zayed Species Conservation Fund

- The MBZ SCF has funded ten projects in Portugal, focusing on species (Endangered).

e.g. The Western Ruivaco *Achondrostoma occidentale*

Habitat restoration and population monitoring of an endangered freshwater fish endemic to the westernmost tip of Europe.

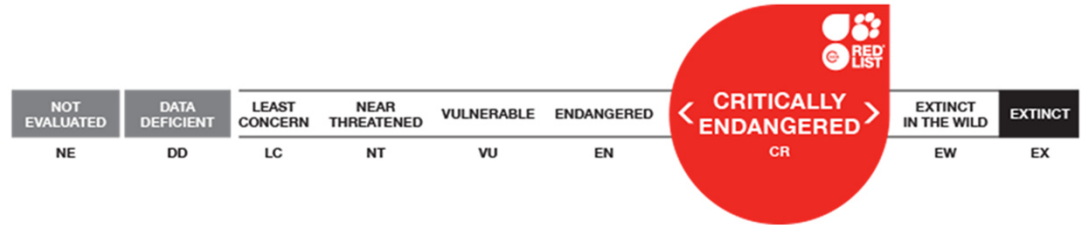
- Monitoring
- Action – protected areas
- Education



Communicating extinction risk

- Give input to the development of indicators (e.g. Red List Index) - if reassessments undertaken
 - Guides the allocation of financial resources for conservation (e.g. LIFE funds)
 - Assists in regional conservation planning (e.g. identification of Key Biodiversity Areas, protected areas)
 - Strengthens regional expert networks
 - Potential (but not yet done for the European Red List) to identify potential Ramsar, KBAs, AZE etc sites
-

The Green Status of Species



What is conservation success?

- Extinction- what we want to *avoid*
 - Recovery- what we want to *achieve*
 - New metric necessary- the Green Status of Species
 - *How close to recovery is the species, and how close can we get in the future?*
 - *Acknowledge conservation action*
-

How to define recovery?

We consider a species "fully recovered" if it is **viable**, and **ecologically functional**, in each **part** of its **indigenous and projected range**.

Akçakaya *et al.* 2018

Thank you

The IUCN Centre for Mediterranean Cooperation (Málaga)



Targets 2021-2030

Target 7 – taxonomic and geographic coverage expanded

- 129,000 species added
- 137,000 reassessments

Assessments

- Complete assessment of all vertebrate species (completion of the Global Marine Fish Assessment is the final step)
- Complete Global Tree Assessment
- Other plant targets include selected orchids and selected endemics from biodiverse countries
- Among the invertebrate targets are dung beetles, fireflies, hoverflies, phasmids, etc.

Reassessments

- Plants: cacti, conifers, cycads, oaks, etc.
- Invertebrates: corals, sea cucumbers, cone snails, dragonflies, etc.

The IUCN Red List 2021-2030 Strategic Plan

Preventing extinction and advancing the recovery of species using The IUCN Red List of Threatened Species





700 million people visit zoos and aquariums worldwide annually!

- >100 zoos / aquariums feature IUCN Red List branding



WHAT'S THE SCALE OF THE PROBLEM?

The IUCN scale shows how threatened a species is of becoming extinct in the wild. You might see the scale around the zoo, so here's what it means.

The IUCN work in almost every country to collect the most up to date information on the conservation status of species. Find out more at www.iucnredlist.com

TOAD, PUERTO RICAN CRESTED

Peltodytes lemur

This is a small toad (2-4 inches long), with the female being the larger of the two sexes. Coloration is brown mottled with a reticulation of white spots, and darker dorsal lines along the back and legs. Males show more yellow than females on their back. Females are larger than males, and more robust. They have hairy ridges on their head and their toes are webbed.

Classification: Class: Amphibia, Order: Anura

Located in... Locations: • San Juan, Puerto Rico

Resource Library: [View this species](#)

Browse Garden Feed: [View this species](#)

Conservation Education Program Animal: [View this species](#)

Conservation Status: Critically Endangered

Livingstone's fruit bat

Pteropus livingstonii

Critically Endangered

Conservation Status: Critically Endangered

Conservation Plan: [View this species](#)

Activities here in Jersey support action in the Comoros where we work with a local NGO to try and ensure this fruit bat does not become extinct.

Asian Species

- Javan Rhinoceros** (*Rhinoceros sondaicus*): Only 50 left in Ujung Kulon National Park, Indonesia.
- Sumatran Rhinoceros** (*Diceros sumatrensis*): 275 left in the wild, decreasing trend.
- Greater One-horned / Indian Rhinoceros** (*Rhinoceros unicornis*): 2600 left in the wild, increasing trend.

African Species

- Black Rhinoceros** (*Diceros bicornis*): 4800 left in the wild, numbers are slowly increasing.
- White Rhinoceros** (*Ceratotherium simum*): Northern White Rhinoceros subspecies (*Ceratotherium simum ssp. cottoni*) is critically endangered. 20 170 left in the wild, increasing trend.

Orang-utan de Sumatra

Pongo abelii

Orang-utan de Bornéo

Pongo pygmaeus

POPULATION ESTIMATES

Sumatra: 4000-6000 (decreasing trend)

Borneo: 60,000-80,000 (decreasing trend)

PROBABLE TRENDS

Sumatra: 100-200 (decreasing trend)

Borneo: 100-200 (decreasing trend)

REASON FOR CONCERN

Sumatra: Habitat loss, hunting, and poaching.

Borneo: Habitat loss, hunting, and poaching.

Die fantastischen Fünf Nashörner der Welt

...sind hoch bedroht!

- Südafrikanischer Nashorn** (*Capreolus aethiopicus*): Critically Endangered
- Indischer Nashorn** (*Rhinoceros unicornis*): Critically Endangered
- Sumatraner Nashorn** (*Diceros sumatrensis*): Critically Endangered
- Java-Nashorn** (*Rhinoceros sondaicus*): Critically Endangered
- Weißen Nashorn** (*Ceratotherium simum cottoni*): Critically Endangered

Polar bear

Ursus maritimus

Cats: Especially their blubber (fat).

Lives: 15 - 20 years in the wild, up to 40 years in captivity.

Breeds: Females spend 6 months in a brown den nursing their 1 - 3 cubs. During this time they do not eat, drink, or defecate.

These beautiful bears are well adapted to survival in an icy environment. Their hollow hairs capture the air, which warms next to their body and acts as insulation.

Polar bears rely on the Arctic ice sheets in order to hunt seals. In some areas where ice is melting rapidly - due to the warming of the planet - bears scavenge or go months without food, living off their fat reserves.