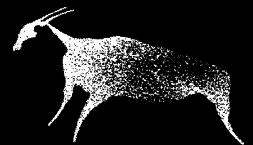


IUCN Species Assessments and Red Listing



Simon N. Stuart
Senior Species Scientist
IUCN



IUCN – The World Conservation Union

- IUCN is a Union of members from some 140 countries including 77 States, 114 government agencies, and 800-plus NGOs.
- More than 10,000 internationally-recognized scientists and experts from more than 180 countries volunteer their services to its six global commissions.
- Its 1000 staff members in offices around the world are working on some 500 projects.
- IUCN has a particular role in developing global standards and scientific knowledge to promote conservation and sustainable development.

IUCN – Species Survival Commission

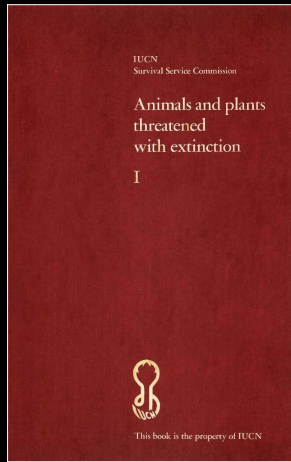
- One of the six IUCN commissions
- A network of experts on species conservation
- A neutral forum, through which experts are comfortable to provide their data, secure in the knowledge that their rights as data providers will be respected.
- Custodian of a system of widely accepted data standards as codified in the Species Information Service and the Red List Categories and Criteria.
- Official recognition by the world's governments, enabling biodiversity conservation science to be communicated directly to key decision-makers worldwide.

IUCN Red List of Threatened Species

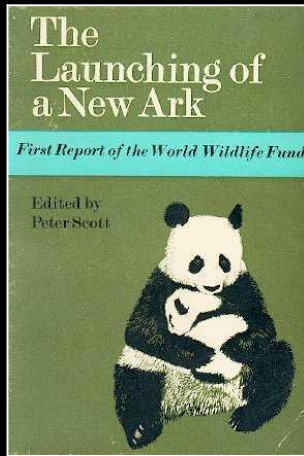
- Identifies and documents the threatened status of species
- Establishes a baseline from which to monitor the status of a representative selection of species (as biodiversity indicators) that cover all the major ecosystems of the world
- IUCN provides the framework for agreeing data standards; negotiates agreements with data providers; oversees a peer-review process; and places the data on its website



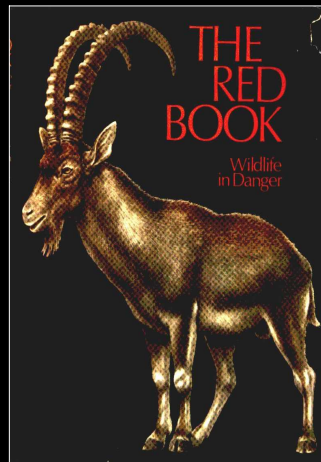
IUCN Red List History



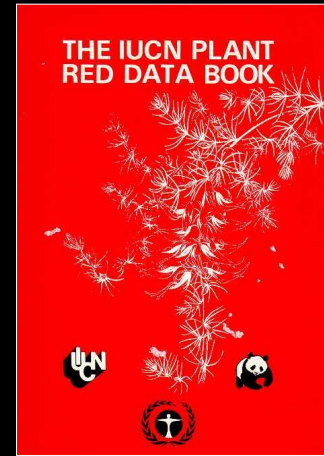
1963



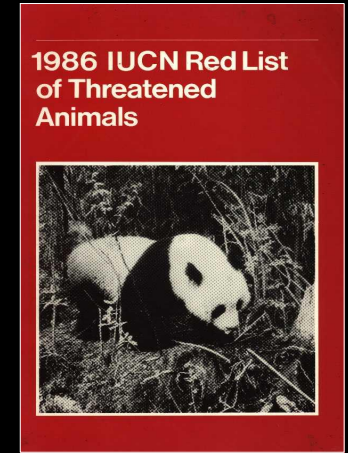
1964



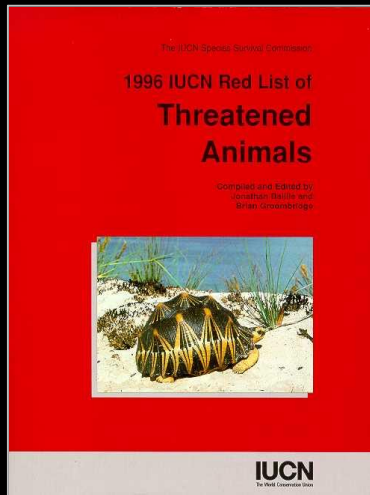
1969



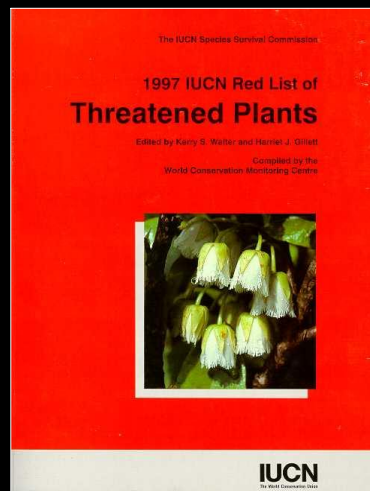
1978



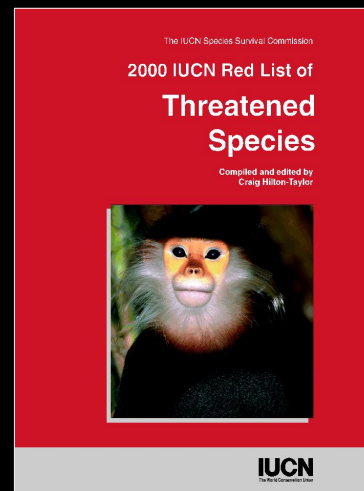
1986



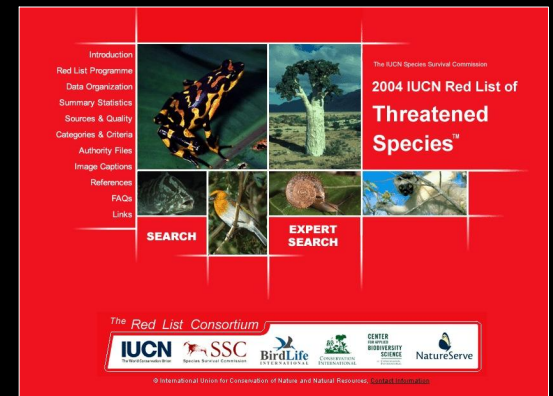
1996



1997



2000



2004 - present

The Red List Consortium



The 2000 IUCN Red List of Threatened Species™ Database Search

Text Search [help](#)

Modifier [help](#)
 Exact phrase
 Any term
 All terms
 Starts with
 Contains

Display options [help](#)
 Show Extended Results

What part of the database would you like to search? [help](#)
 The entire database
 Taxonomy
 Common name
 Assessor
 Special animal keyword

What biome is this species found in? [help](#)
 Terrestrial
 Marine
 Freshwater

Red List Categories [help](#)
 All
 EX - Extinct
 EW - Extinct In The Wild
 CR - Critically Endangered
 EN - Endangered
 VU - Vulnerable

Select one or more countries [help](#)
 All
 Afghanistan
 Albania
 Algeria
 American Samoa
 Andorra

Regions of the World [help](#)
 All
 Antarctic
 Caribbean Islands
 East Asia
 Europe
 Mesoamerica

Marine Regions of the World [help](#)
 All
 Arctic Sea
 Atlantic-Antarctic
 Atlantic-eastern central
 Atlantic-northeast
 Atlantic-northwest

The 2000 IUCN Red List of Threatened Species™ Help

- Learn more about the various search components in the user interface
- [The search function](#)
 - [Text Search](#)
 - [Modifier](#)
 - [What part of the database would you like to search?](#)
 - [Using the biomes to search](#)
 - [Select one or more countries](#)
 - [Regions of the world](#)
 - [Red list categories](#)
 - [Marine regions of the world](#)
 - [Show extended results](#)
 - [Search under ...](#)
 - [The search results screen](#)

The search function:

The search function provides numerous ways in which to search. This help menu attempts to provide some guidance on the best way to use it. It is very important to not discriminate between species, subspecies, varieties or designations of any of these taxonomic levels. A search appropriate data exists in the database. As discussed in the help menu, which needs to be repeated here is that the database contains ONLY those species that are listed in the IUCN Red List of Threatened Species™ and which have been listed as Endangered (CR), Endangered (EN), Vulnerable (VU) or Near Threatened (NT).

IUCN Red List Categories and Criteria
Version 3.1

Introduction
Data Organization
Red List Programme
Summary Statistics
Sources & Quality
Categories & Criteria
Habitat Types
Threat Types

The IUCN Species Survival Commission
2000 IUCN Red List of Threatened Species™

Introduction
Red List Programme
Data Organization
Summary Statistics
Sources & Quality
Categories & Criteria
Authority Files
Image Captions
References
FAQs
Links

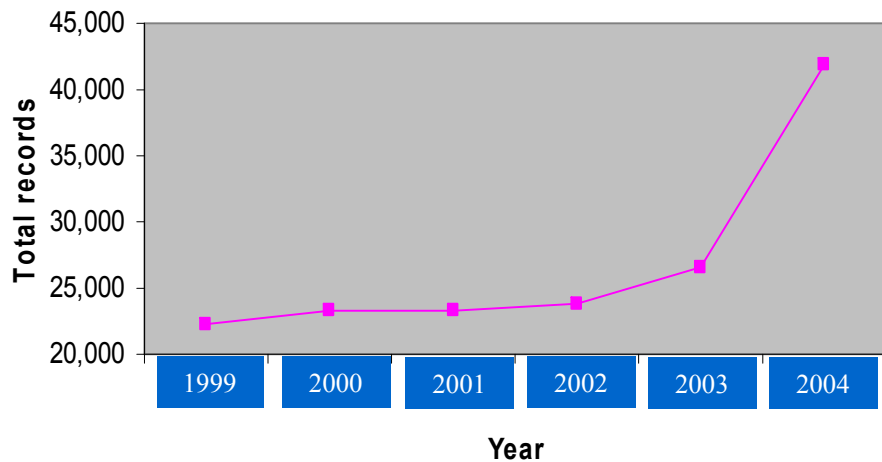
The IUCN Species Survival Commission
2003 IUCN Red List of Threatened Species™

SEARCH **EXPERT SEARCH**

IUCN Species Data

Progress since 1998

Total records held in Red List database

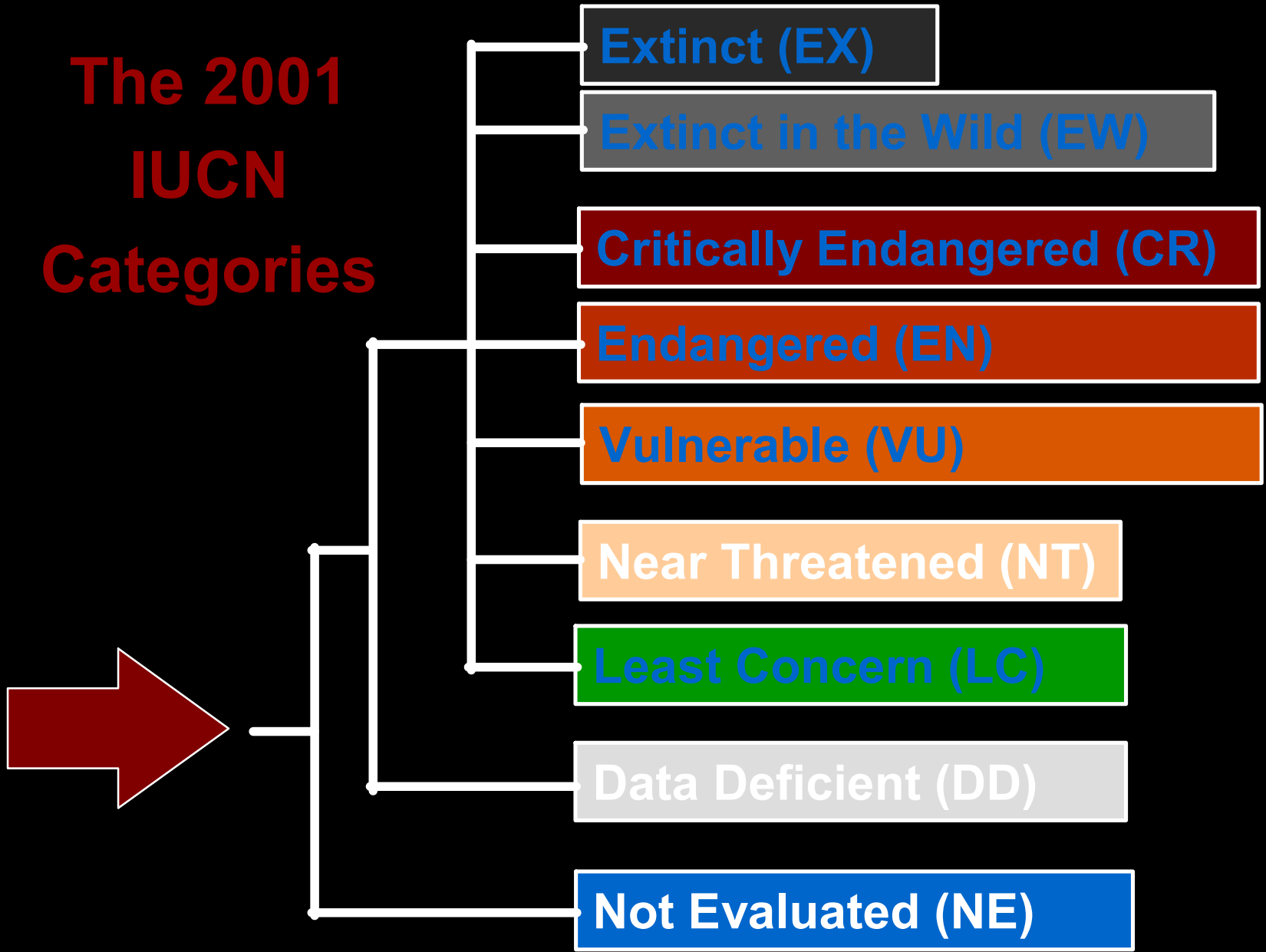


NOT just the increasing number of assessments, but assessments with the minimum supporting documentation:

- Population size and trends
- Information on distribution, habitats, threats, conservation actions, utilization
- Distribution maps (15,000 species)
- Red List Category

Information on threatened and non-threatened species

The 2001 IUCN Categories



THREATENED

Global Red List Assessments

- A concerted effort to assess the world's biodiversity **SYSTEMATICALLY**



Global Red List Assessments

- GAA (Global Amphibian Assessment)
- GRA (Global Reptile Assessment)
- GMA (Global Mammal Assessment)
- GMSA (Global Marine Species Assessment)
- GFSA (Global Freshwater Species Assessment)
- GPA (Global Plant Assessment)

- BirdLife International –evaluates all species of birds



Global Amphibian Assessment

[Search the Database](#)

[About the GAA](#)

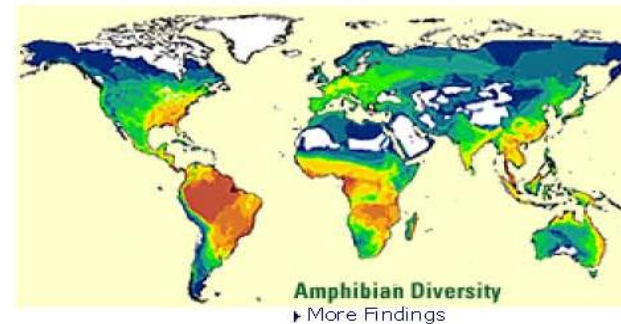
[Key Findings](#)

[Description of Data](#)

[Acknowledgements](#)

The **Global Amphibian Assessment (GAA)** is the first-ever comprehensive assessment of the conservation status of the world's 5,743 known species of frogs, toads, salamanders, and caecilians. This website presents results of the assessments, including IUCN Red List threat category, range map, ecology information, and other data for every amphibian species.

Search the GAA database for species by name, taxonomy, country, region, habitat type, threat type, or IUCN Red List status.



Fast Fact

As many as 129 amphibian species may have gone extinct since 1980.

[Help](#) | [Contact Us/Feedback](#) | [Site Search](#) | [Links](#)

IUCN
The World Conservation Union

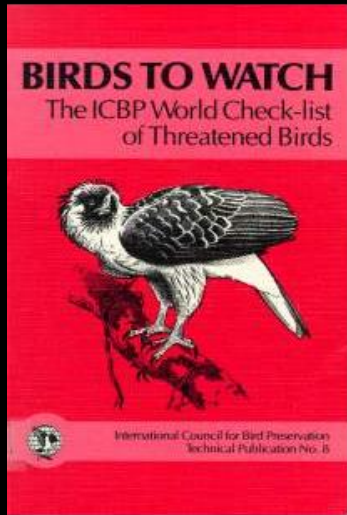


CENTER FOR APPLIED BIODIVERSITY SCIENCE
AN ORGANIZATION OF CONSERVATION INTERNATIONAL

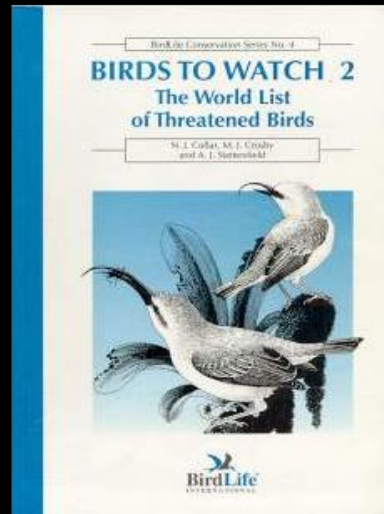


<http://www.globalamphibians.org>

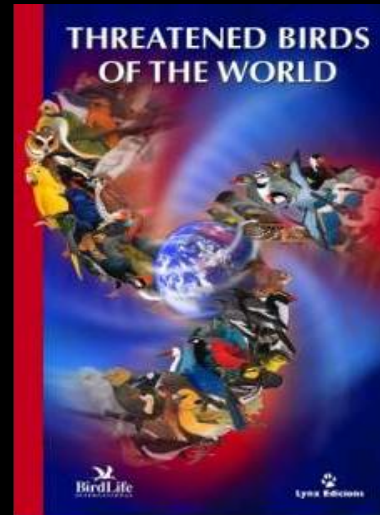
Evolution and future of data presentation



1988



1994



2000



2004

Key questions to be answered using the Red List data

- What is the overall status of biodiversity?
- At what rate is biodiversity being lost?
- Where is biodiversity being lost?
- What are the causes of decline and loss of biodiversity?
- Are conservation actions achieving desired outcomes?

Types of uses of the data

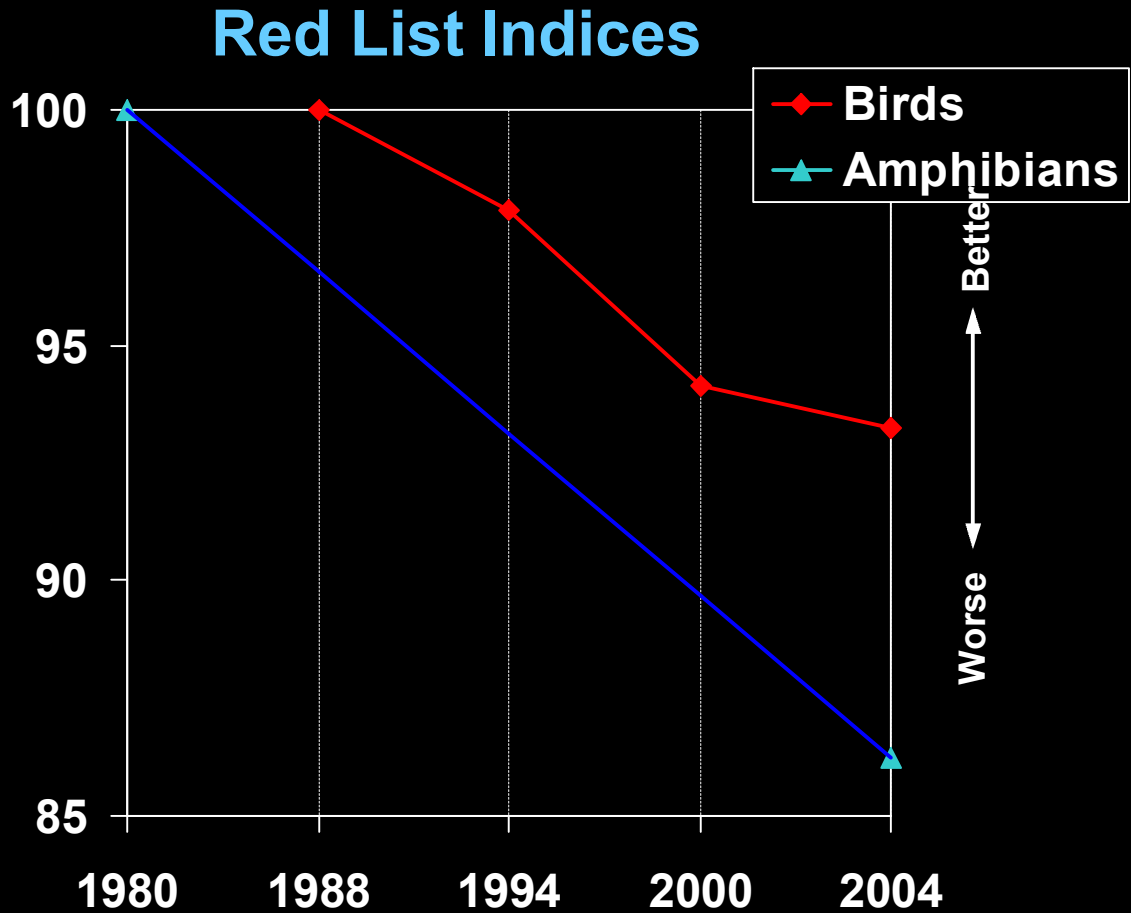
- Conservation planning
- Environmental impact assessment
- Measuring trends in achieving targets
- Resource allocation
- Scientific research



IUCN data has been used in:

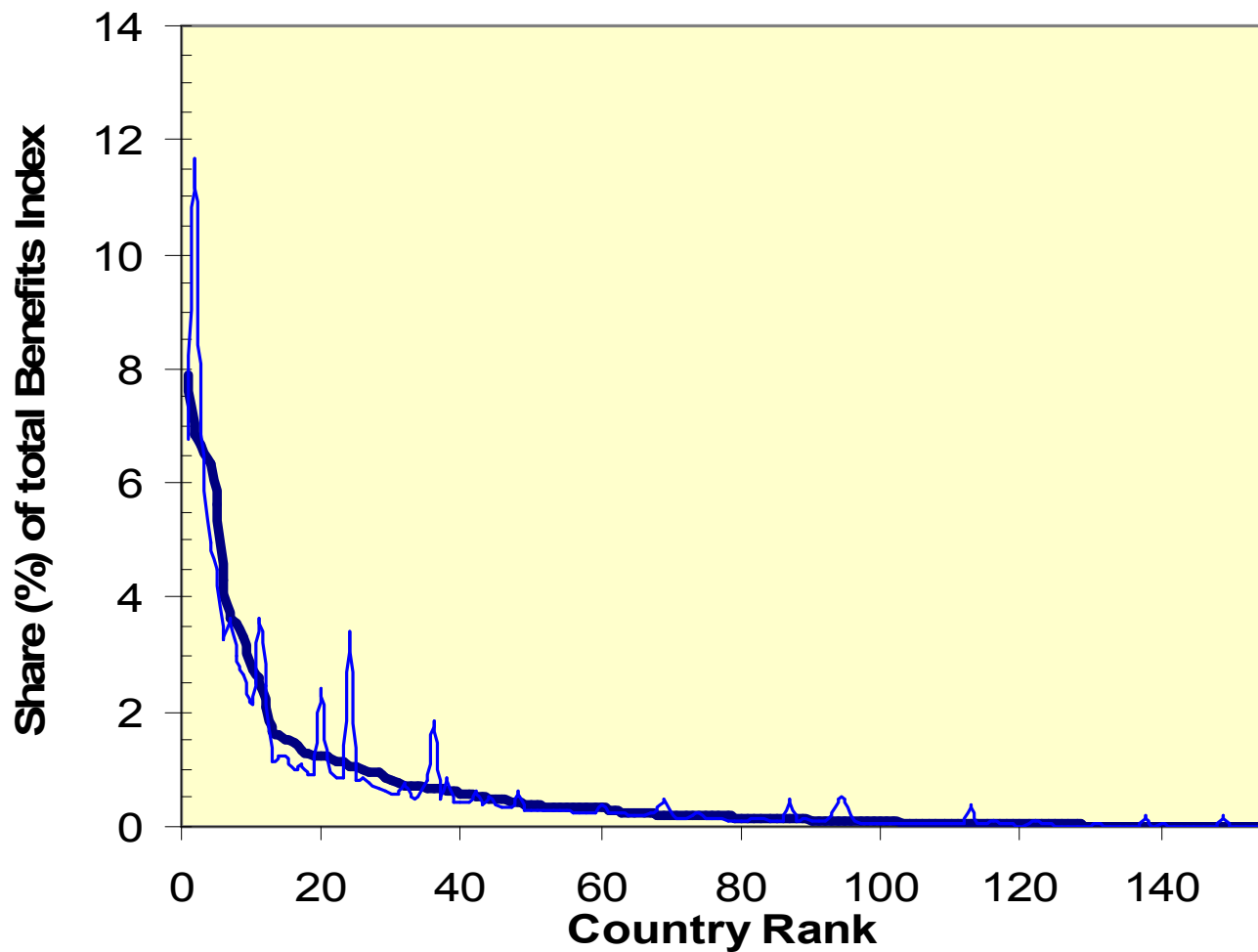
- The IUCN Red List Index (in relation to the 2010 Biodiversity Target)
- Millennium Ecosystem Assessment
- Global Gap Analysis
 - Species that are not in any protected areas
- Key Biodiversity Areas
 - Alliance for Zero Extinction
- Global Environment Facility Resource Allocation Framework

Measuring trends in achieving targets



Resource Allocation

GEF Benefits Index



In conclusion ...

- IUCN's data increasingly underpins policy and planning decisions relating to biodiversity worldwide

