



proteus

Biodiversity fundamentals and Proteus training

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Glencore

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16/11/2022

TRAINING OBJECTIVES

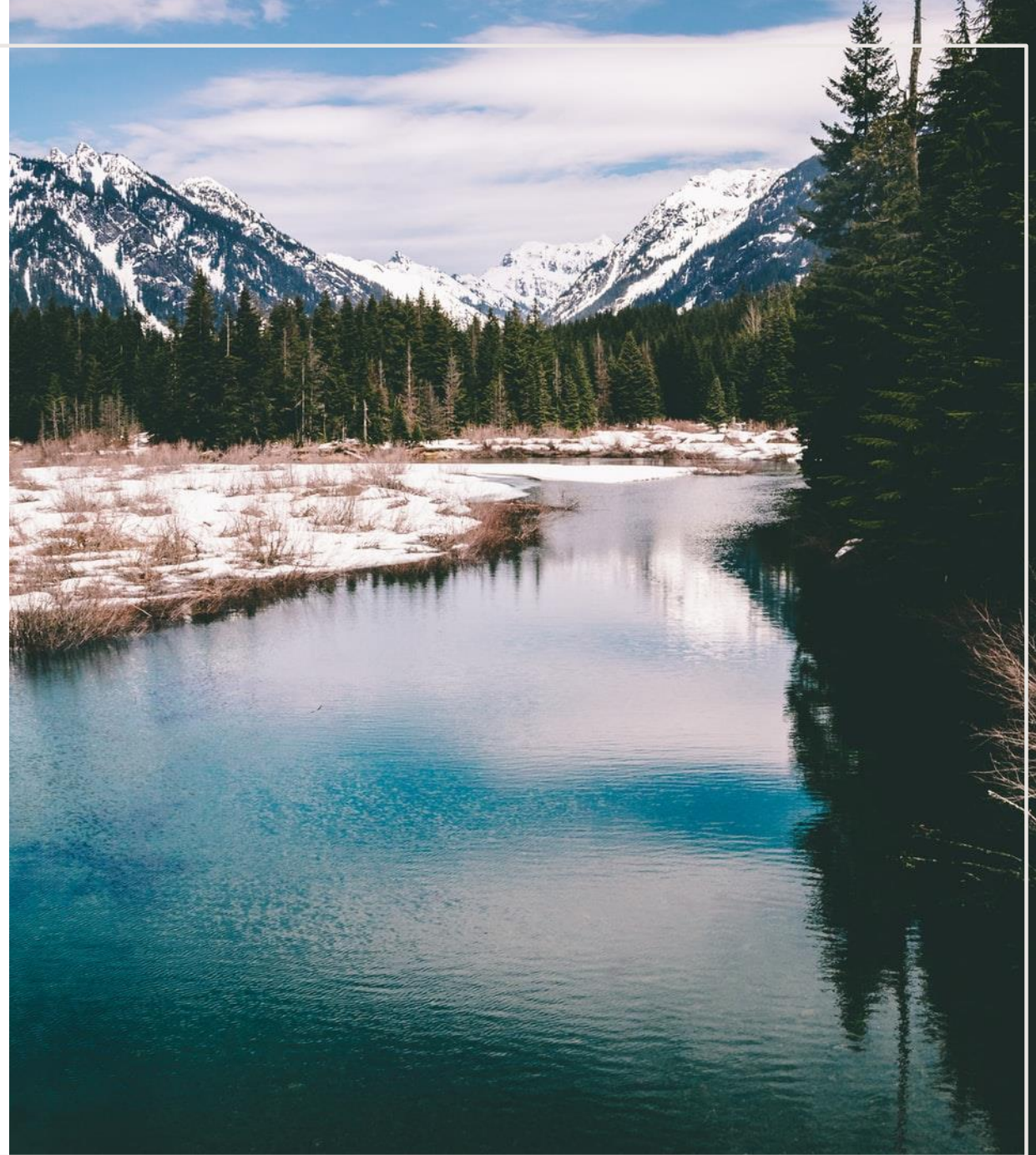
At the end of the training you will be familiar with:

- Drivers for improved biodiversity management
- The Proteus Partnership, its objectives and what resources it makes available to you
- How to access Proteus support
- Key biodiversity concepts related to the resources available through Proteus
- Biodiversity data, namely those available through Proteus, how these are identified and how they can be used to deliver positive biodiversity outcomes



AGENDA

- Setting the scene: drivers for biodiversity management
- Overview of the Proteus Partnership and objectives
- Resources available through Proteus (Proteus website, Ocean+, Ocean Data Viewer, IBAT Biodiversity A-Z)
- Defining biodiversity and ecosystem services
- Key conservation concepts
- Introduction to IBAT



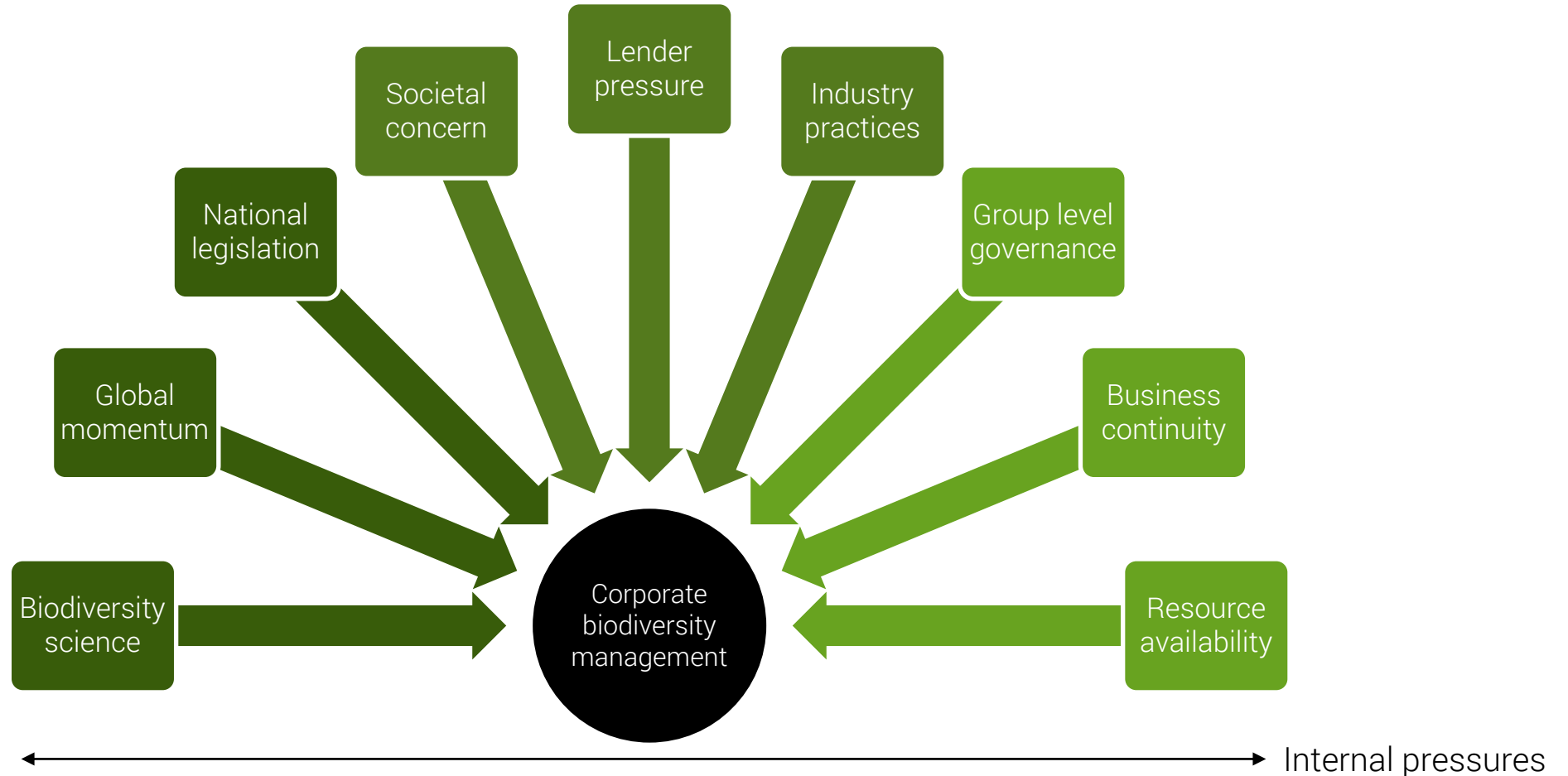


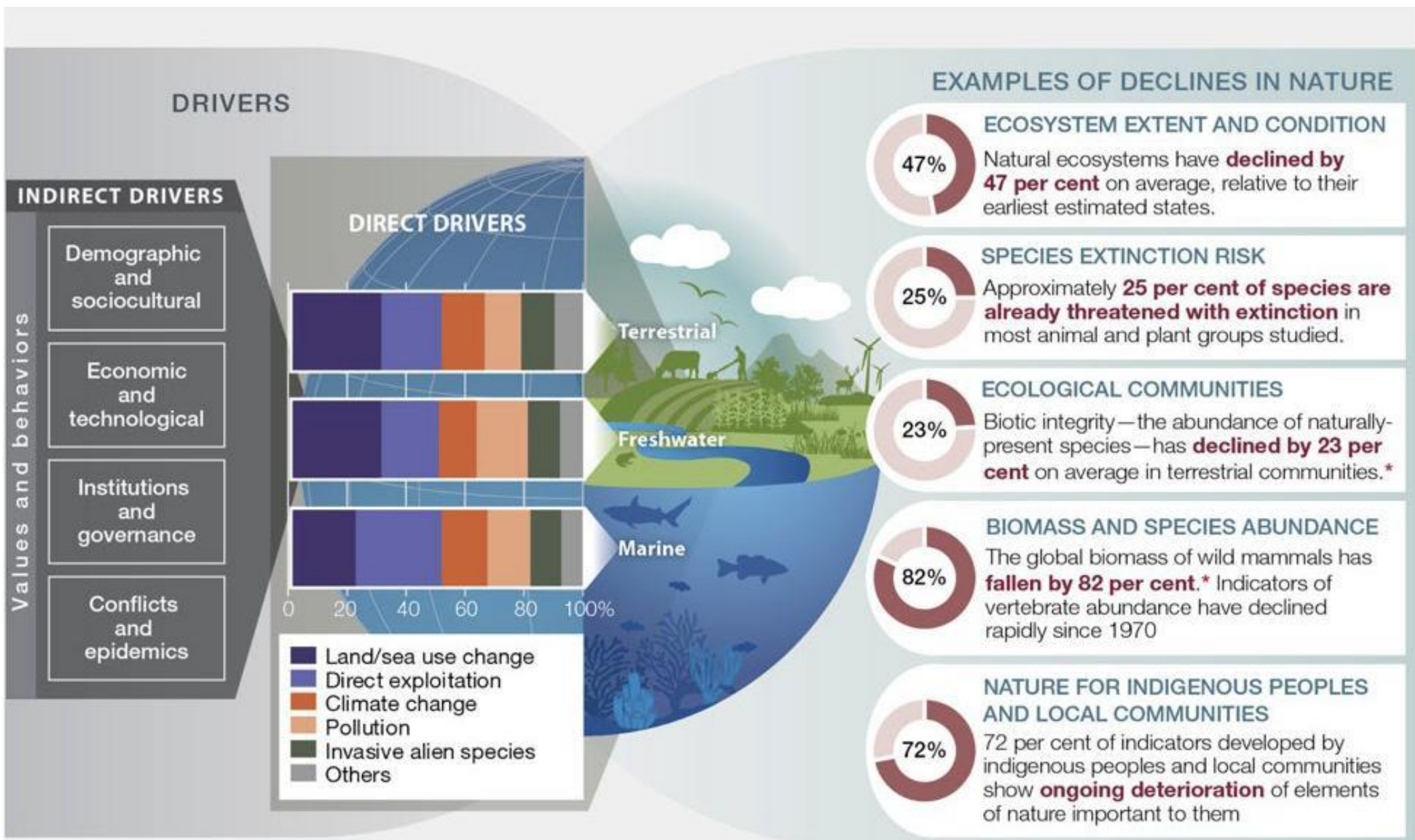
Setting the scene

Stacey Baggaley, Senior Programme Officer, UNEP-WCMC

DRIVERS FOR BIODIVERSITY MANAGEMENT

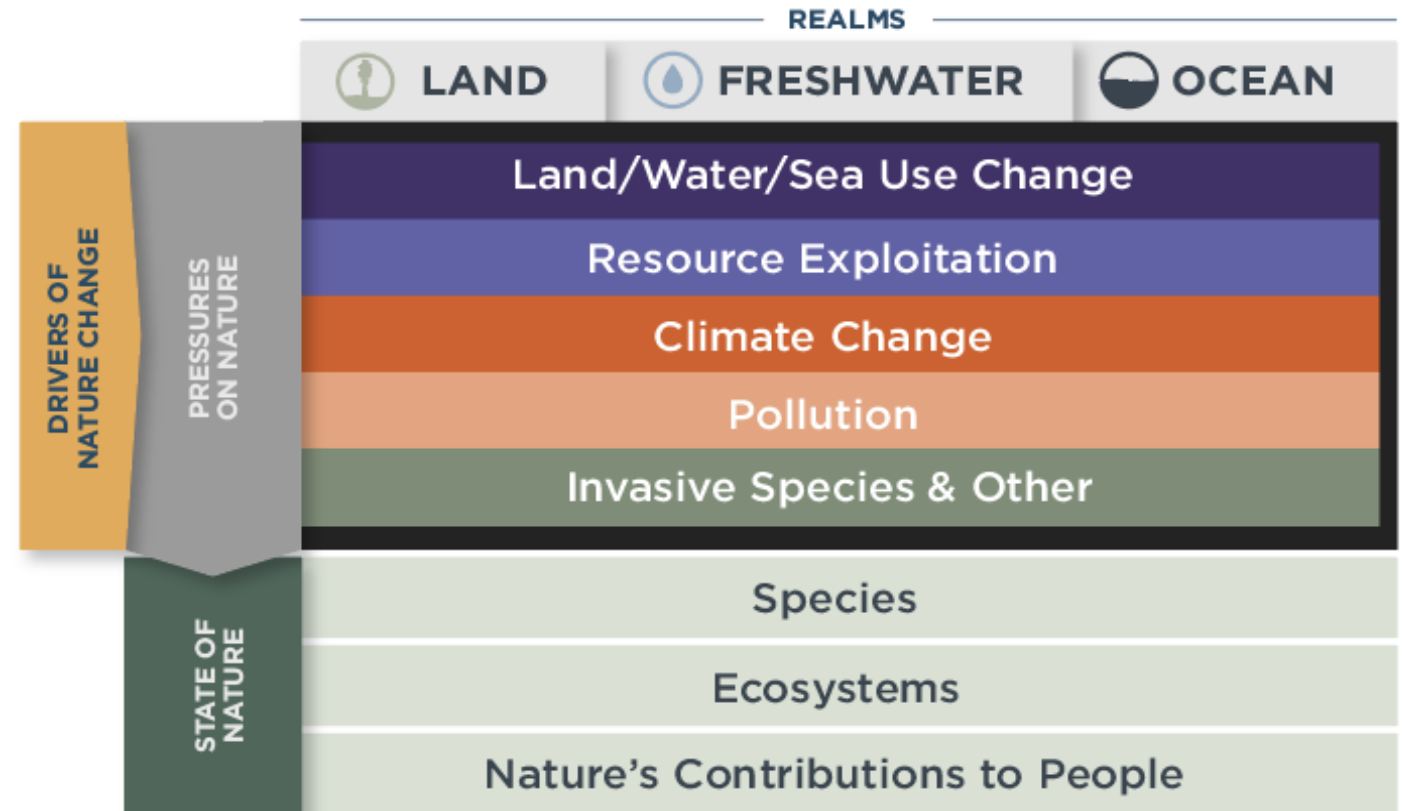
* In 2021, Glencore issued enhanced Environmental governance, and target-setting process, including a new Environmental Policy and Environment Standard with renewed commitments to Biodiversity and Ecosystem Services (Nature)





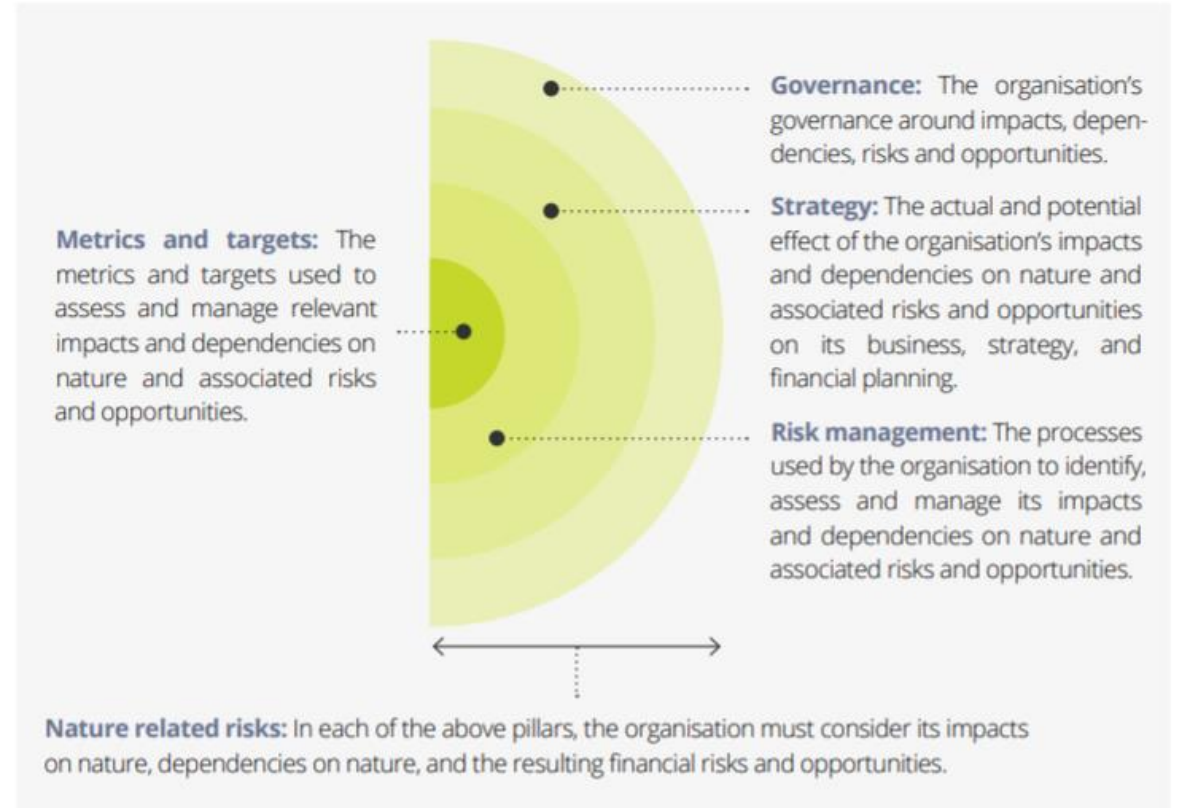
SCIENCE BASED TARGETS FOR NATURE

- Developing methods and resources for science-based targets for nature
- Initial guidance for companies launched in 2020. Further guidance expected in 2023
- Targets that address a number of pressures and states of nature



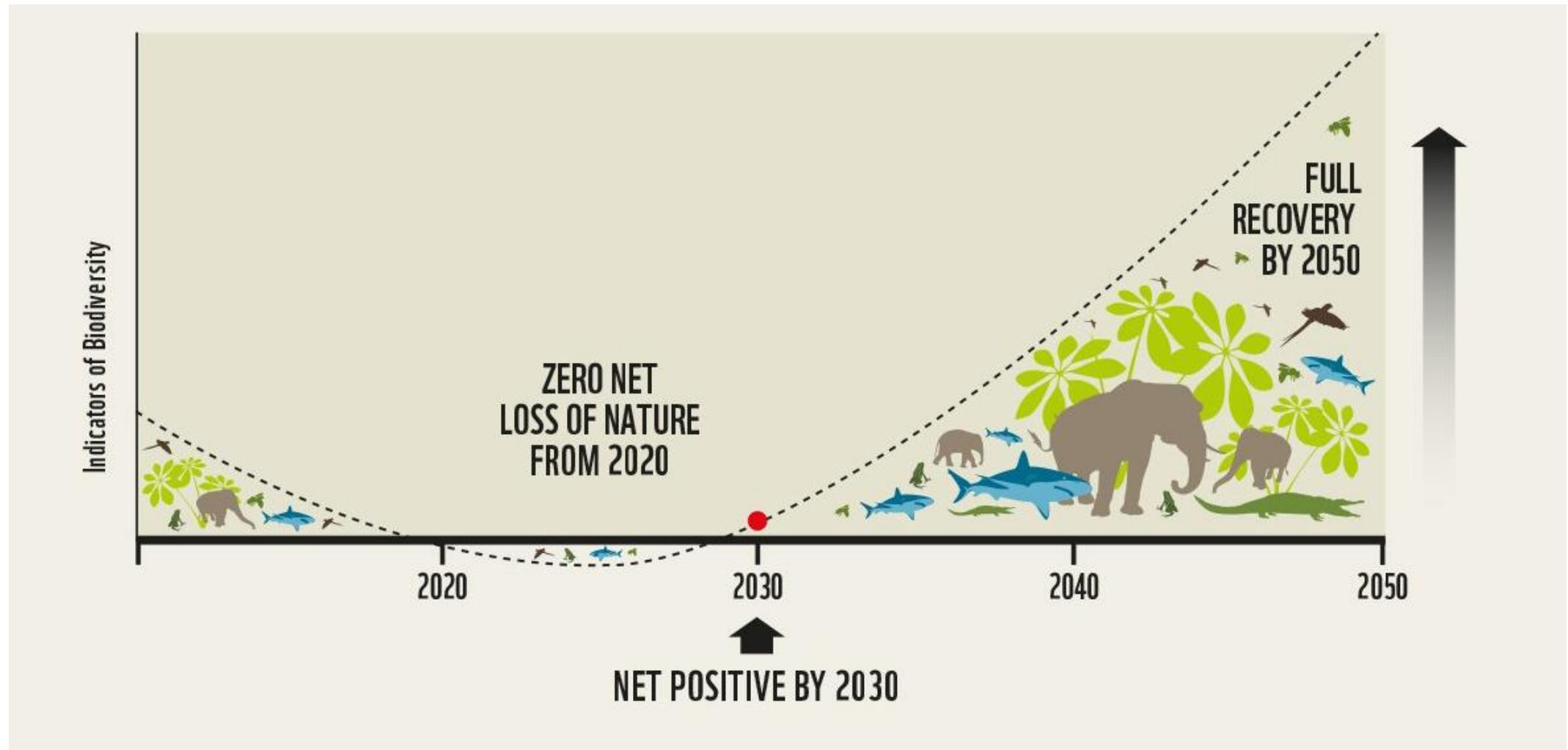
TASKFORCE ON NATURE-RELATED FINANCIAL DISCLOSURES (TNFD)

- Launched in 2021 with support from financial markets and governments
- Disclosure framework for companies to report and act on nature-related risks
- Ability to report and disclose on impacts and dependencies will be key to maintain investor buy-in
- Final framework will be released in September 2023



**Taskforce on Nature-related
Financial Disclosures**

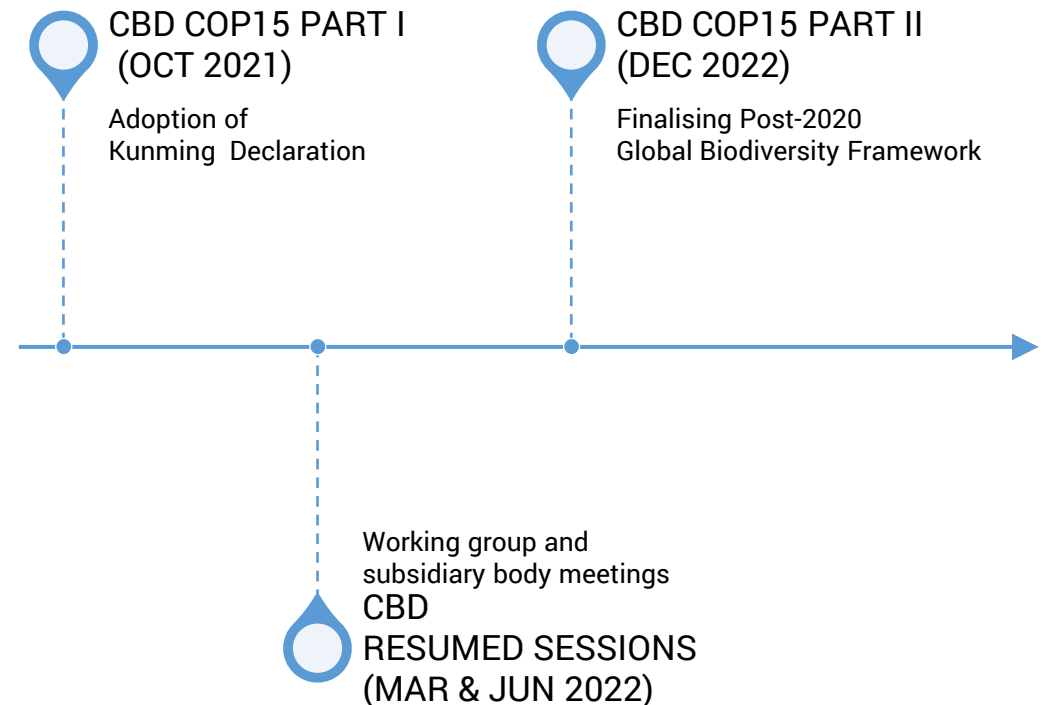
GLOBAL GOAL FOR NATURE: NATURE POSITIVE BY 2030



THE CONVENTION ON BIOLOGICAL DIVERSITY

Post-2020 Global Biodiversity Framework

- 21 targets and 10 'milestones' for 2030
- 'Living in harmony with nature' by 2050
- Draft Target 15
 - Businesses to measure and report dependencies and impacts
 - Reduce negative and increase positive impacts
 - Full sustainability of extraction and production practices





GOOD BIODIVERSITY MANAGEMENT...

...leads to many benefits for business

Maintained access to finance

Continued supply of resources

Resilient operations

Supporting regulatory compliance

Increased/maintained reputation & licence to operate

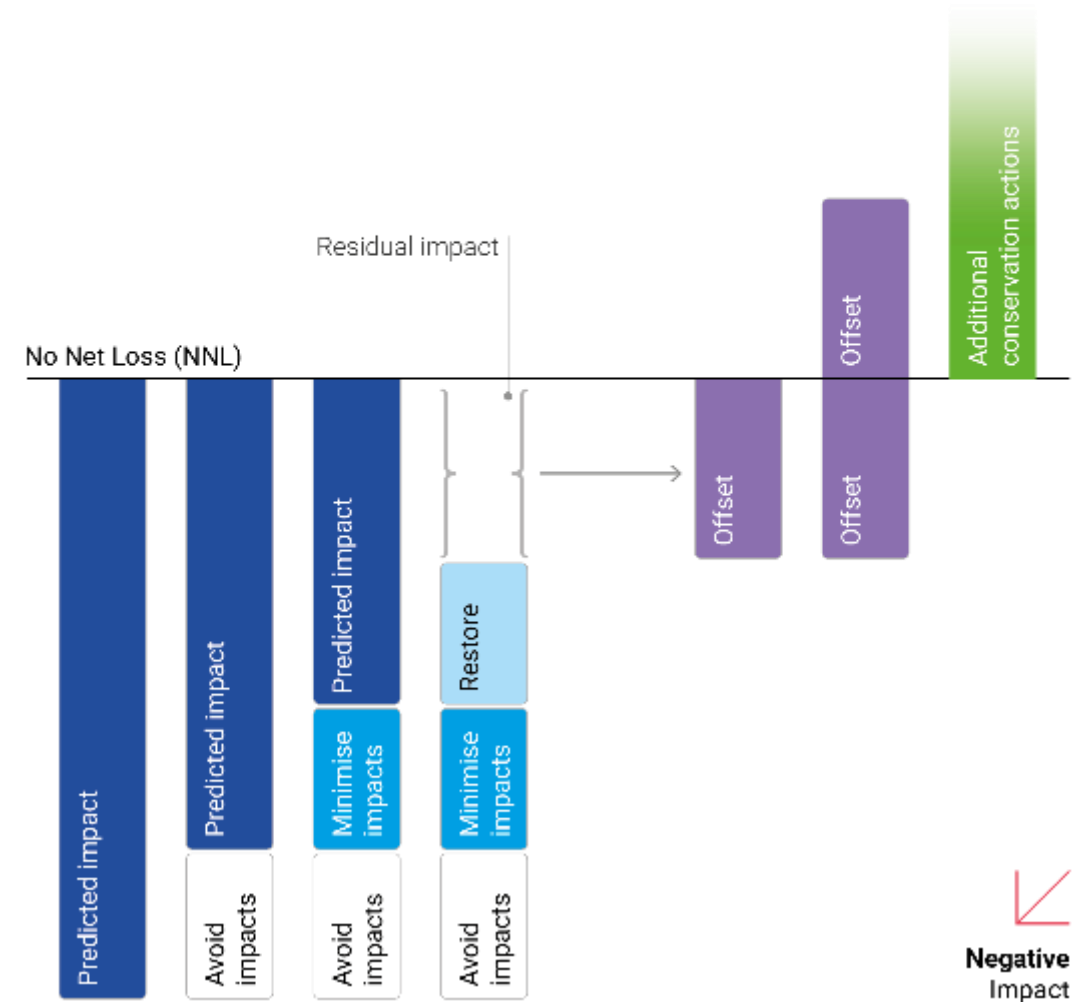
THE QUESTION THEN BECOMES HOW...



Net Gain (NG)

Sequential steps to minimise negative impacts on biodiversity:

1. Avoidance
2. Minimisation
3. Restoration
4. Offsetting



Negative Impact

A lighthouse with a red and white striped tower and a black lantern room stands on a calm sea. The sky is a vibrant orange and red, reflecting on the water. The lighthouse is positioned on the left side of the frame.

Overview of the Proteus Partnership and objectives

UN Environment Programme

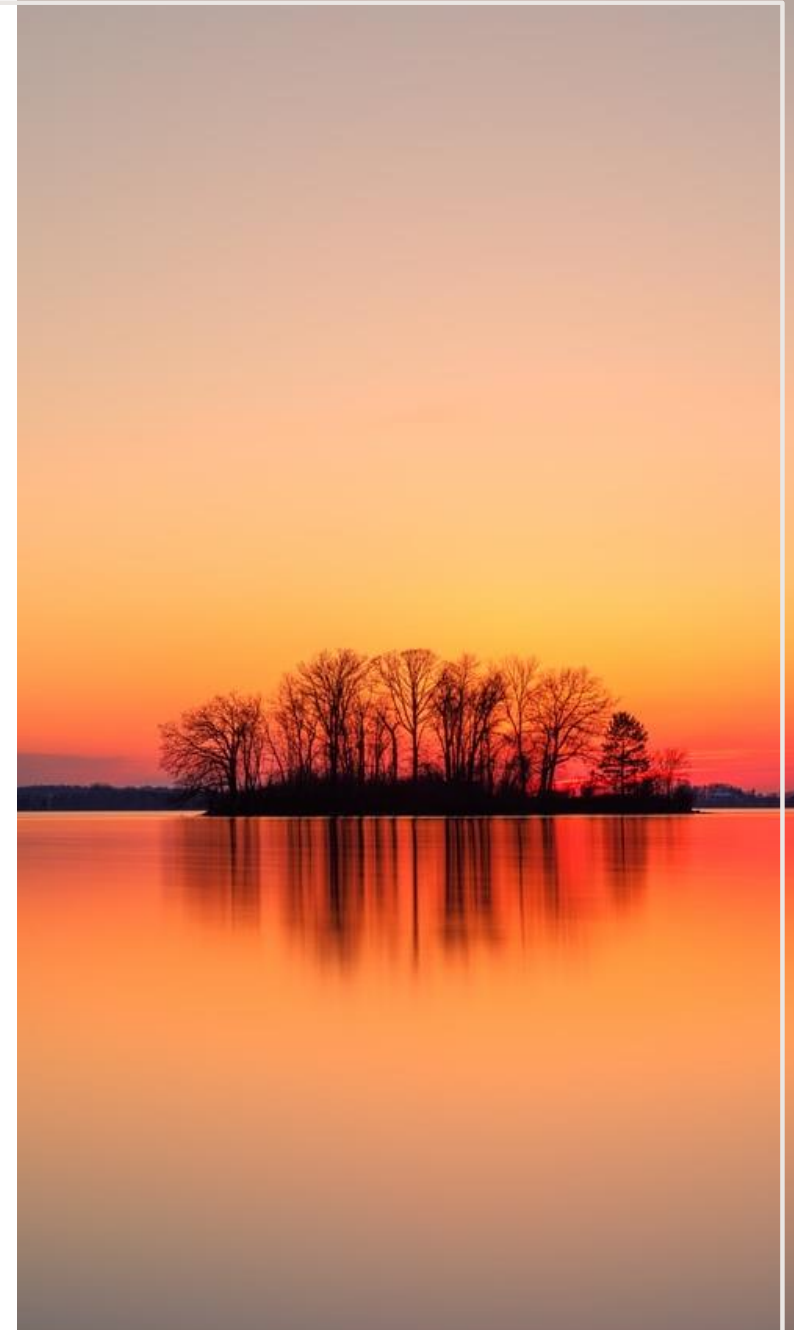
- World's foremost intergovernmental environmental organisation
- Established by UN General Assembly in 1972
- Headquartered in Nairobi, Kenya

WCMC

- UK charity, based in Cambridge
- Created by IUCN in 1979
- 1988 – Became independent organisation with three partners: IUCN, WWF and UN Environment Programme
- 2000 – Formal collaboration with UN Environment Programme

UNEP-WCMC

- UNEP's specialist Centre for biodiversity
- Currently employs 180 staff across a range of biodiversity disciplines





Our Vision

- The UN Environment Programme World Conservation Monitoring Centre strives for a world living in harmony with nature by 2050

Our Impact Areas

- **Nature Conserved** – resilient, connected ecosystems and their species are conserved, sustaining all life on Earth
- **Nature Restored** - Degraded lands, inland waters and the ocean are restored for the benefit of people and nature.
- **Nature-based Solutions** - Public and private sectors make effective use of nature to address sustainable development challenges.
- **Nature Economy** - The world transitions to a nature-positive global economy.

PROTEUS – A LONG-TERM COLLABORATION BETWEEN THE PRIVATE SECTOR AND UNEP-WCMC

Vision:

- A planet where business contributes to a clean, healthy, resilient environment for all.

Mission:

- Support companies to be nature-positive.





GOALS OF THE **proteus** PARTNERSHIP

1. Help companies recognise their responsibilities for nature and communicate the business case for its management
2. Accelerate and scale decision support tools and capacity building to help improve corporate performance
3. Strengthen and increase business engagement in the global policy agenda on nature
4. Sustain a viable mutually beneficial partnership through cross-sectoral collaboration



HOW PROTEUS RESOURCES CAN SUPPORT GLENCORE

Project level

- Complement project-level risk assessment and site selection
- Support Environmental Impact Assessments (EIAs)
- Application of the mitigation hierarchy
- Biodiversity action planning
- Site closure / decommissioning
- Alignment with performance standards

Policy level

- Screening potential investments
- Supply chain management
- Development of biodiversity management strategy
- Portfolio analysis and reporting on global footprint

PROTEUS TOOLS AT A GLANCE

Protected Planet

The online interface with the World Database on Protected Areas (WDPA)

Access: www.protectedplanet.net



The Integrated Biodiversity Assessment Tool (IBAT)

Access to site- and landscape-scale datasets

Access: <https://ibat-alliance.org/>



Biodiversity A-Z

Online glossary of terms

Access: www.biodiversitya-z.org



Ocean+

Access to metadata for over 190 datasets

Access: <https://oceanplus.org/>



Ocean Data Viewer

Access to over 30 marine and coastal datasets

Access: <http://data.unep-wcmc.org>

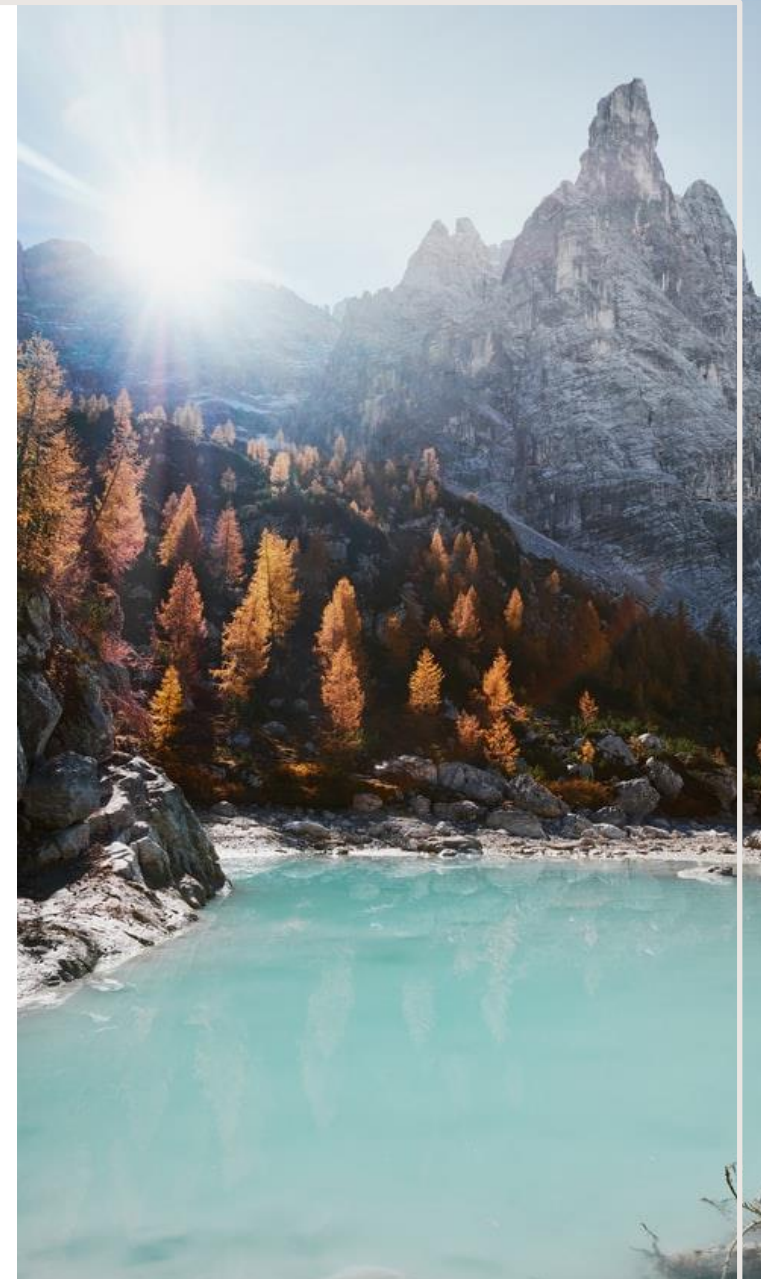
OCEAN DATA VIEWER

Proteus website

Access all information resources offered through Proteus

Access: www.proteuspartners.org

proteus



PROTEUS BENEFITS

Data and analytics

- Technical Briefings on challenges and questions raised by Partners
- Data verification support from the UNEP-WCMC expert team
- Access to a specialist cross-Partnership data forum supporting peer-to-peer learning with other technical experts
- Web services delivering data directly into partner systems

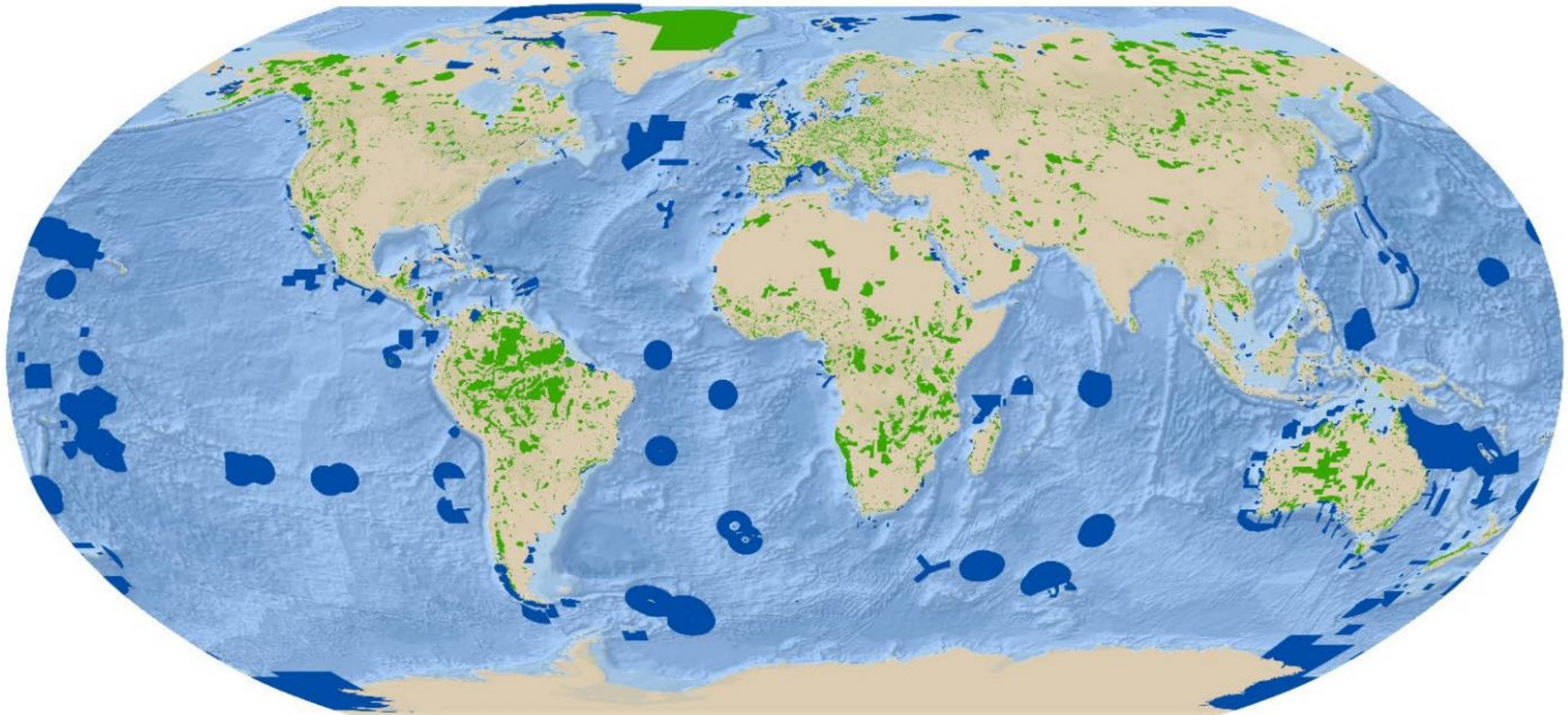
Capacity and support

- Technical assistance from UNEP-WCMC's expert team
- Online and in person training and access to training resources
- Horizon scanning webinars and briefings, helping companies track progress, upcoming events and potential business implications
- Access to and influence over development of the Biodiversity A-Z



Resources available through Proteus
Alex Ross, Programme Officer, UNEP-WCMC

THE WORLD DATABASE ON PROTECTED AREAS



Source: UNEP-WCMC and IUCN (2022). Protected Planet: The World Database on Protected Areas (WDPA) [On-line], November 2022, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

 **Terrestrial protected areas**  **Marine and coastal protected areas**

MONTHLY UPDATES

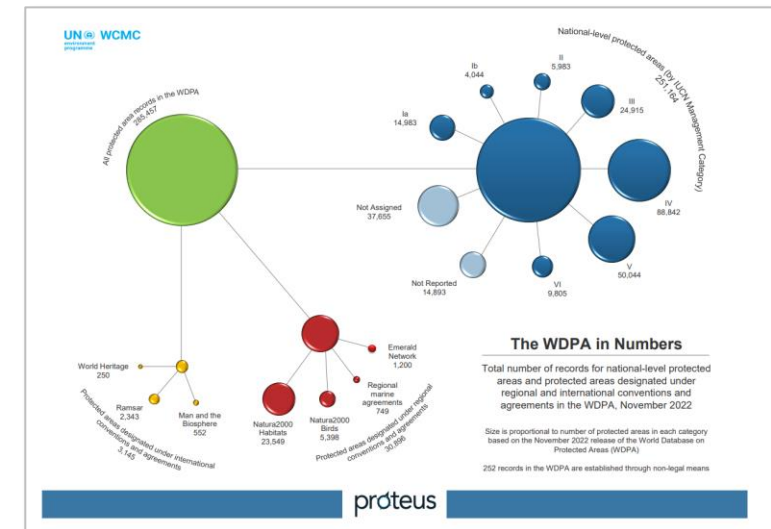
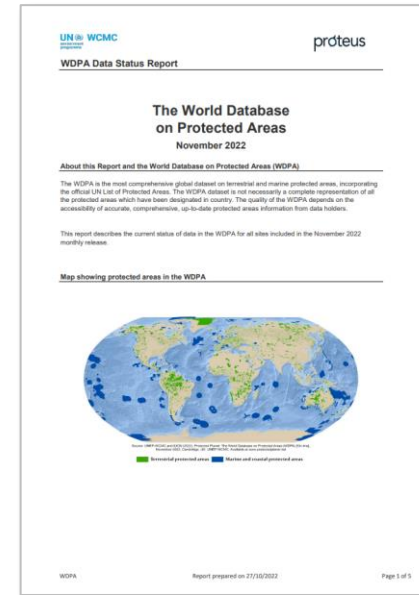


[Download the November 2022 WDPa release](#)

The total number of protected area records in this release is **285,457** comprising **273,195** polygons and **12,262** points. Please click on the links below to access the data factsheet and infographic for this release of the WDPa.

[Data Factsheet](#)

[Infographic](#)



OCEAN+

The screenshot displays the oceanplus.org website. The main landing page features a large background image of a school of fish. The text on the page includes: "Ocean+ Home to more than half of all life on Earth, the Ocean covers over 70% of the surface of the planet." Below this, there are three columns of text: "Ocean+ Library" (addressing the need for information on global marine and coastal biodiversity), "Ocean+ Habitats" (improving access to marine habitat data), and "protected planet" (presenting the most recent official coverage statistics for marine protected areas). The "OCEAN DATA VIEWER" section offers users the opportunity to view and download a range of spatial datasets. A navigation bar at the top right includes "Global resources", "Submit metadata", and "Data limitations". A social media sidebar on the right contains icons for Twitter, LinkedIn, Facebook, and Email. A map of the world is visible on the right side of the page, with a "Leaflet | Terms & Feedback" footer. The bottom of the page features logos for GEO BON, UN environment programme WCMC, and proteus, along with a "Publication date: 2019" and a disclaimer about the map's legal status.

OCEAN+ DATA VIEWER

- A portal for viewing and downloading spatial datasets useful for managing and conserving marine and coastal biodiversity.



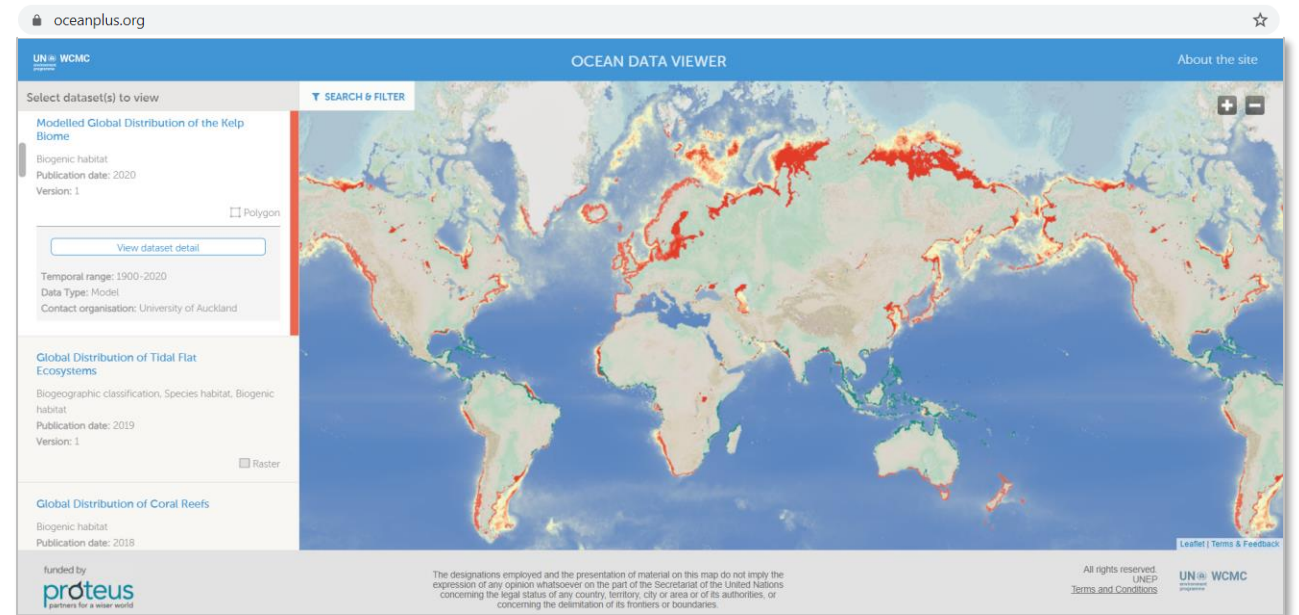
More than 2.5 million records of marine and coastal habitats



More than 2.1 million km² of marine and coastal areas mapped



More than 30 marine datasets available for use*



OCEAN+ HABITATS

- Developing national, regional and global inventories of ocean habitat occurrence, with statistics on coverage and progress toward targets.



Warm-water corals



Cold-water corals



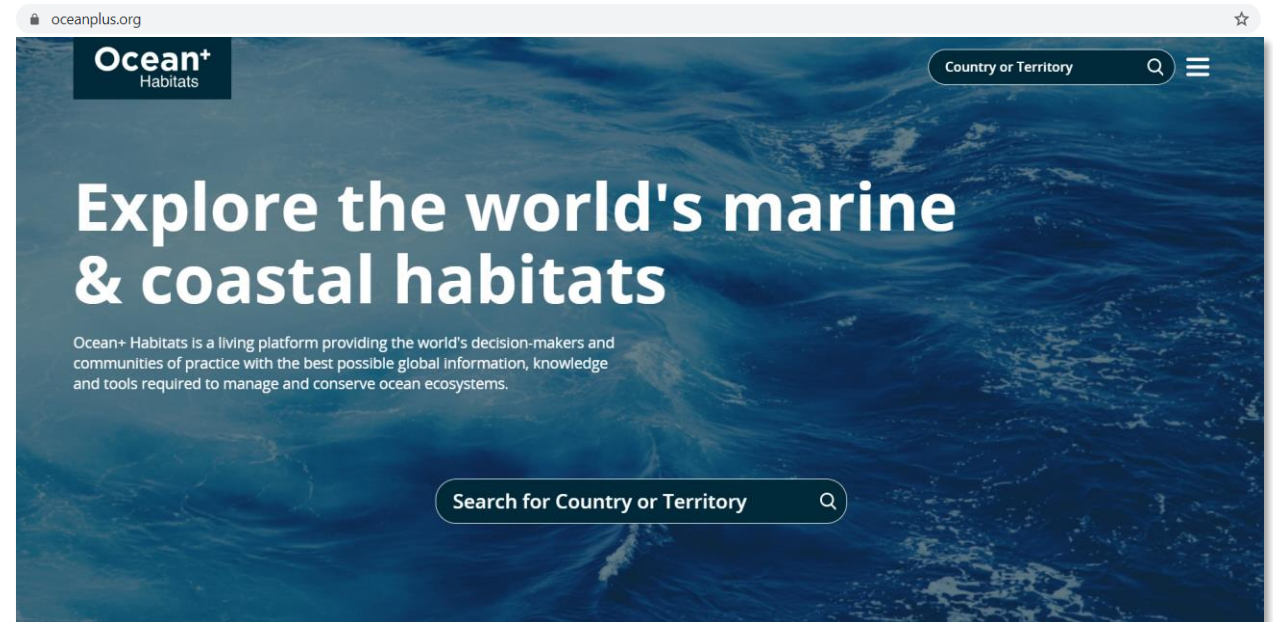
Seagrasses



Saltmarshes



Mangroves



OCEAN+ LIBRARY

- A library of 190+ resources of data and information relevant to marine and coastal biodiversity, and for uses related to:



Marine spatial planning



Education



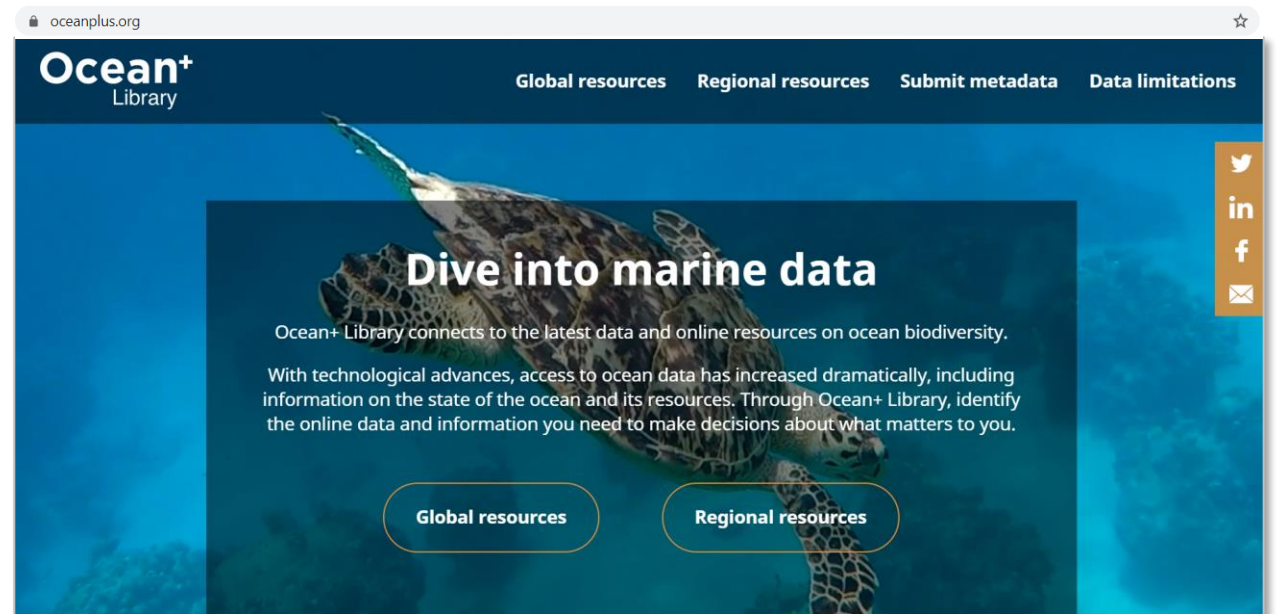
Environmental impact assessment



Ecosystem assessment



Ecosystem services



BIODIVERSITY A-Z

The screenshot shows the homepage of the biodiversity-a-z.org website. At the top, the browser address bar displays "biodiversity-a-z.org". The website header includes the "BIODIVERSITY a-z" logo, the "UN WCMC" logo, and navigation links for "ABOUT" and "BROWSE THEMES". A search bar with the text "Search" and a dropdown menu for "All themes" is positioned below the header. The main content area features a large background image of colorful feathers. Below this, the text "Concise and authoritative information about biodiversity" is displayed. A "Browse by theme:" section contains five circular icons: a red bird for "ACRONYMS", a green ant for "AREAS", a yellow globe for "COUNTRIES", a blue fish for "MARINE", and an orange lizard for "TERMS". At the bottom, a dark blue footer contains the text "Definition: Biodiversity" and a detailed definition of biodiversity.

UN WCMC
environment
programme

BIODIVERSITY a-z | UN WCMC
ABOUT | BROWSE THEMES

Concise and authoritative information about biodiversity

Search | All themes

Browse by theme:

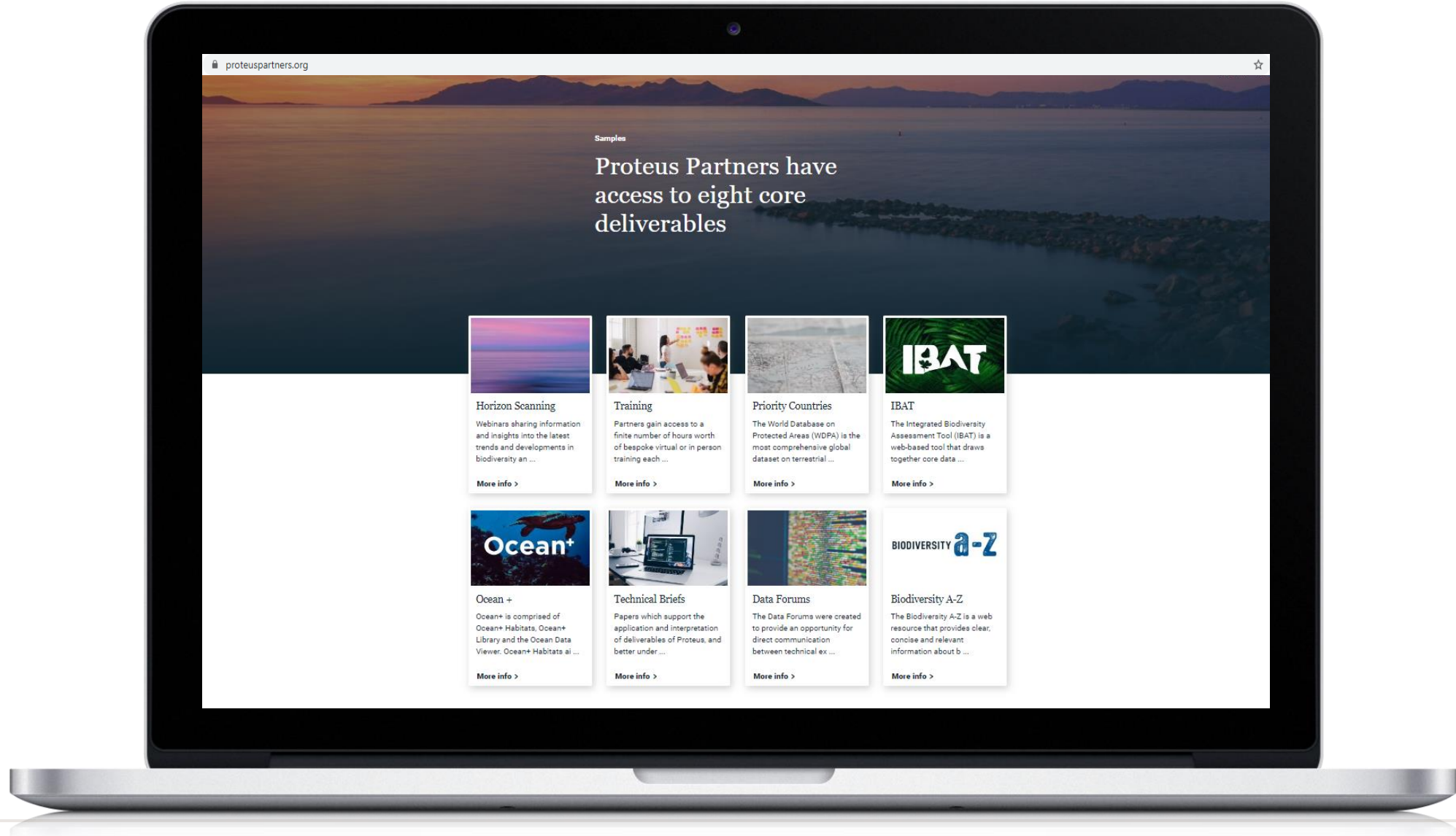
- ACRONYMS
- AREAS
- COUNTRIES
- MARINE
- TERMS

Definition: Biodiversity

Biodiversity

Biological diversity means the variability among living organisms from all sources including, inter alia, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are a part; this includes diversity within species, between species and of ecosystems.

PROTEUS WEBSITE



PROTEUS TECHNICAL BRIEFS

UNEP-WCMC Technical Briefing
December 2021

próteus

The Global Energy Transition

The role of mining and energy companies in enabling a nature positive energy transition

Key Messages

- The global energy transition will significantly increase demand for key metals and minerals.
- The surge in demand will open up new frontiers of mineral extraction and has the potential to exacerbate existing environmental and social risks in operations and along supply chains for mining companies and their customers such as renewable energy companies.
- If left unchecked, these material risks may slow clean energy deployment and imperil the nature positive transition needed to halt climate change and biodiversity loss.
- Recommendations on where Proteus Partners must act to minimise biodiversity-relevant risks within their operations and supply chains and enable a nature positive energy transition include:
 1. Integration of circular design principles and closed loop efforts in the production of energy assets
 2. Accelerate the adoption of net-gain approaches to mitigate site-based impacts
 3. Contribute to closing the knowledge gap on the ecological impacts of operating in new frontiers such as deep-sea mining
 4. Disclose footprint and adopt transparent, responsible supply chains supported by verified certification schemes and due diligence procedures
 5. Underpin biodiversity commitments with meaningful indicators based on sound and scientific criteria
 6. Gain more control over the compliance of social and environmental standards along the supply chain through e.g. vertical integration and partnerships
 7. Decarbonise operations and portfolios and divest from fossil fuels

UNEP-WCMC Technical Briefing
November 2021

próteus

The Area of Influence of site-based operations – Direct Impacts

Assigning buffer distances for high-level screening of biodiversity exposure based on direct impacts



Key Messages

- Defining an appropriately scaled 'Area of Influence' is integral to high level screening processes that aim to identify important biodiversity features that may generate risk.
- Area of influences should include the extent of expected pressures that stem from the site and consider potential for indirect impacts on biodiversity.
- To date however, there lacks consensus or quantitative guidance on appropriate buffers to be applied in different contexts. Understanding the factors underlying variation in the distances impacted by sites forms the foundations of a decision-making framework, presented here, to address this knowledge gap.
- Available literature to create generalised rules is disparate, and there is a lack of research that compares pressures between sectors and habitats systematically. However, best available information suggested that the following approach should be applied for direct impacts:
 - A 10km buffer is likely to cover the majority of direct impacts of terrestrial mines in most habitats, and, applying a precautionary approach, a 5km buffer likely to cover the impacts of terrestrial oil and gas, whose impacts are generally shown to impact smaller distances than mining. These should be taken as a minimum starting point when deciding on buffers to apply during screening.

próteus

PROTEUS HORIZON SCAN WEBINARS

A series of webinars for Proteus Partners sharing information and insights into the latest trends and developments in biodiversity and ecosystem services policy, initiatives, data and tools.



PROTEUS DATA FORUMS

A series of webinars for Proteus Partners that provide a venue for direct communication between data users and technical experts, help increase familiarity with Proteus resources and support identification of common challenges & finding solutions



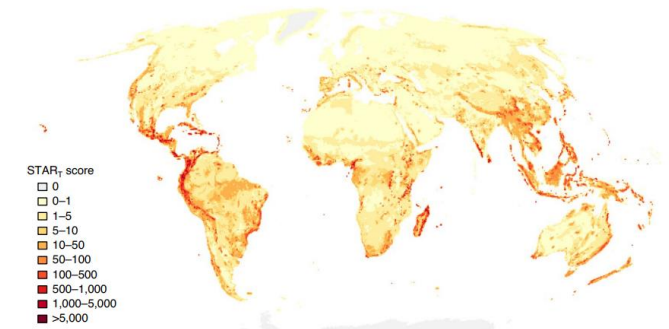
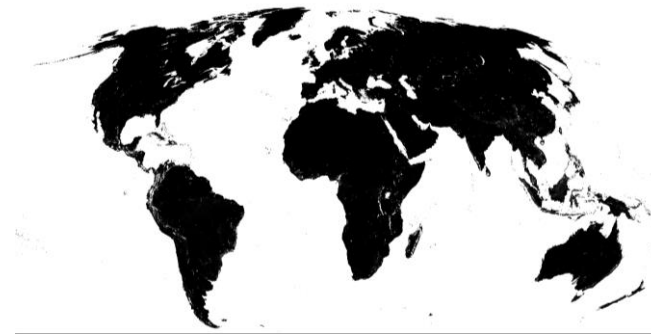
DATA VERIFICATION AND TECHNICAL SUPPORT

Data verification – clarifications on data quality and interpretation

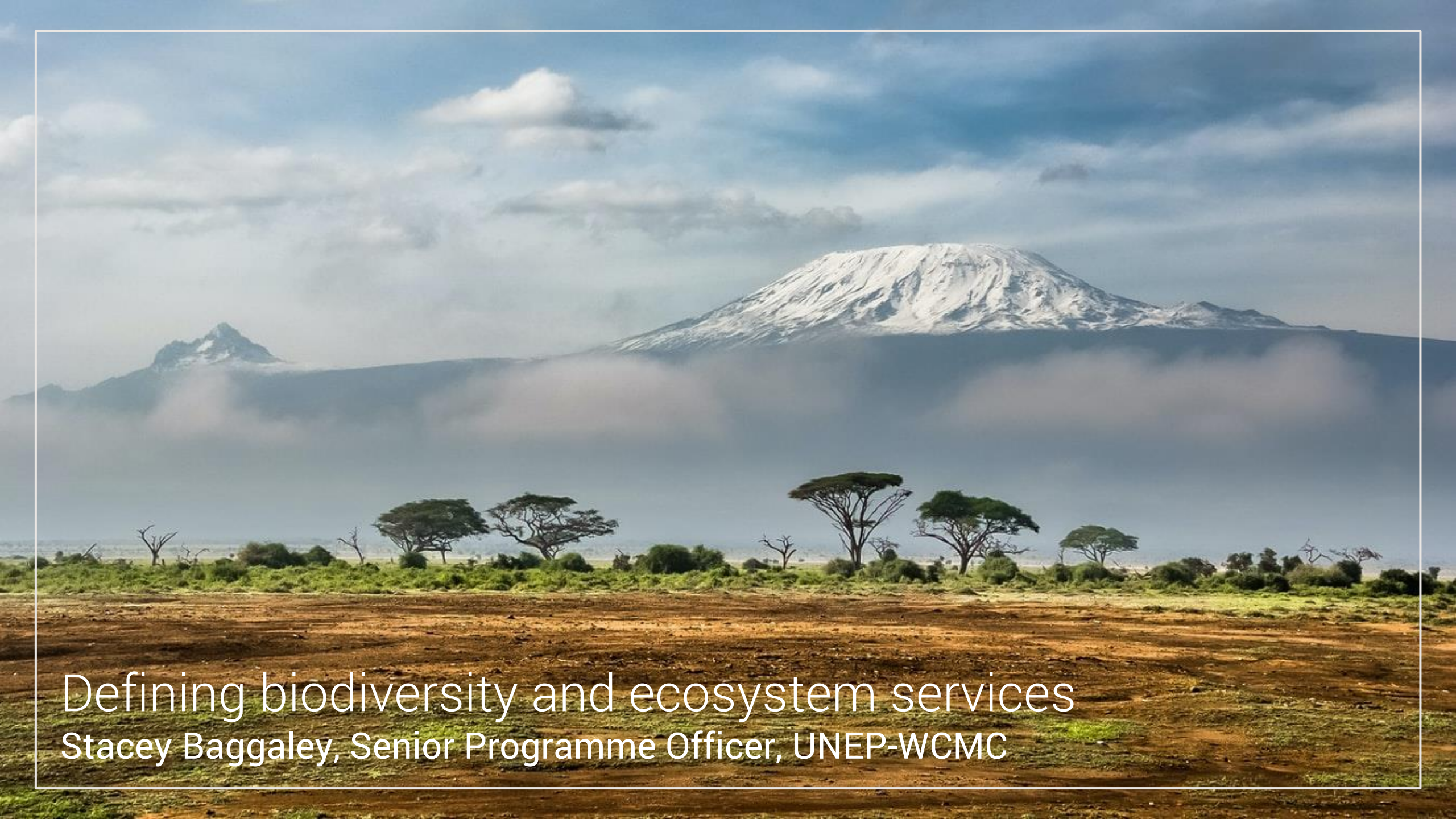


Example query - Potential protected area (green) boundary discrepancy when compared to satellite imagery

Technical support – assistance or guidance on technical work



Example query – Visualisation of the global STAR Threat Abatement score layer



Defining biodiversity and ecosystem services
Stacey Baggaley, Senior Programme Officer, UNEP-WCMC

WHAT IS BIODIVERSITY?

“Biological diversity means the variability among living organisms from all sources including, *inter alia*, terrestrial, marine and other aquatic ecosystems...; this includes diversity within species, between species and of ecosystems.”

(Convention on Biological Diversity 1992)



Genes (diversity within species)



Species (diversity between species)

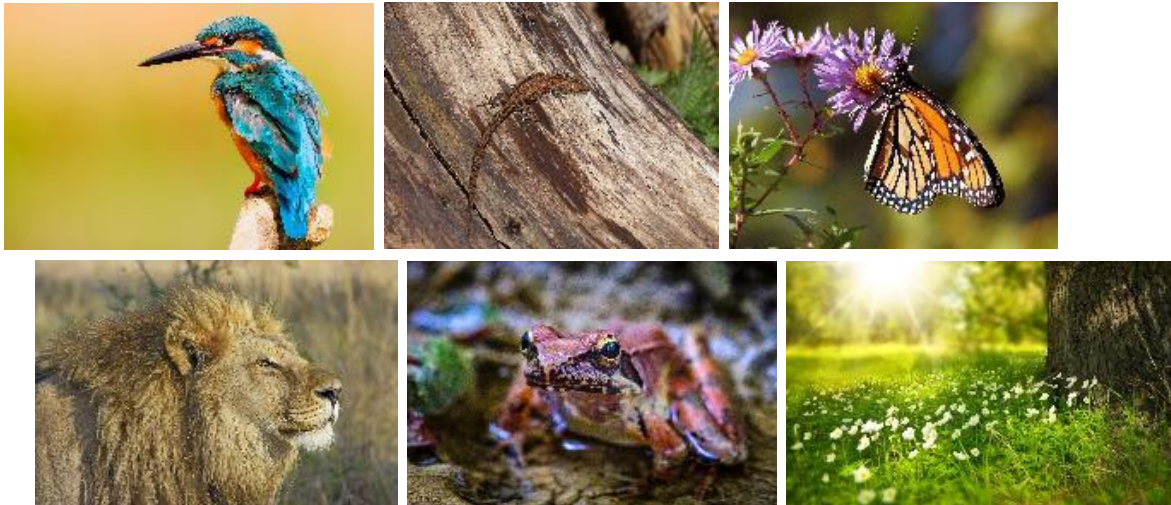


Ecosystems (diversity of ecosystems)

WHAT IS A SPECIES?

“Groups of actually or potentially interbreeding natural populations, which are reproductively isolated from other groups.”

(Mayr 1942)



- Species are seen as the fundamental units of conservation.



- Provides a way of quantifying biodiversity, and its loss.



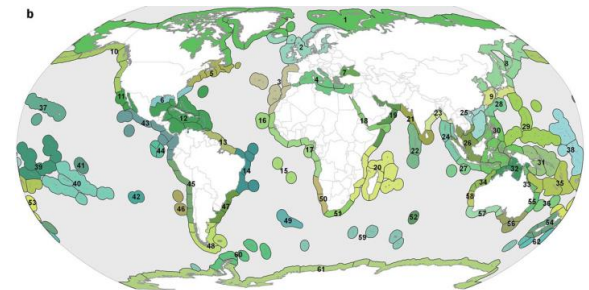
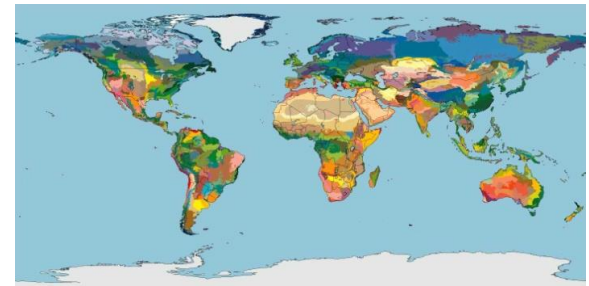
- Many conservation strategies and international Multilateral Environmental Agreements (CITES, CMS) are focused on species.

WHAT ARE HABITATS AND ECOSYSTEMS?

Habitat: The place or type of site where an organism or population naturally occurs.

Ecosystem: A dynamic complex of plant, animal and micro-organism communities and their non-living environment interacting as a functional unit.

(Convention on Biological Diversity 1992)

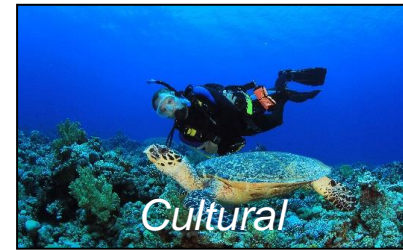


WHAT ARE ECOSYSTEM SERVICES?

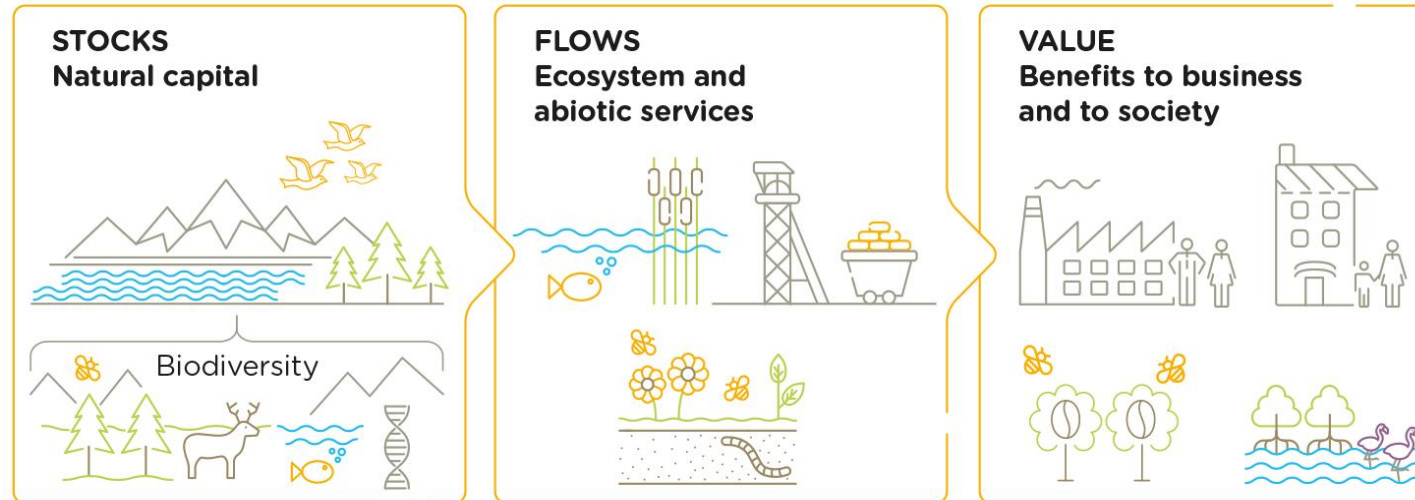
“Benefits people obtain from ecosystems.”

(Millennium Ecosystem Assessment 2005)

Ecosystem services link the environment to people



Biodiversity underpins ecosystem services





Key conservation concepts

CORE CONSERVATION CONCEPTS

Protected areas



Areas that are afforded legal or other effective protection

Areas important for biodiversity



Areas that are identified on the basis of biodiversity values, often using standardised assessment criteria

Threatened species



Species likely to become extinct within the foreseeable future throughout all or part of its range

WHAT ARE PROTECTED AREAS?

“A clearly defined geographical space, recognised, dedicated and managed, through legal or other effective means, to achieve the long-term conservation of nature with associated ecosystem services and cultural values.” (IUCN 2008)

Key features

- Ability to delineate
- Management of the area
- Core objective of nature conservation

Effective means

- National law
- International conventions & agreements
- Customary law or land tenure

Governance

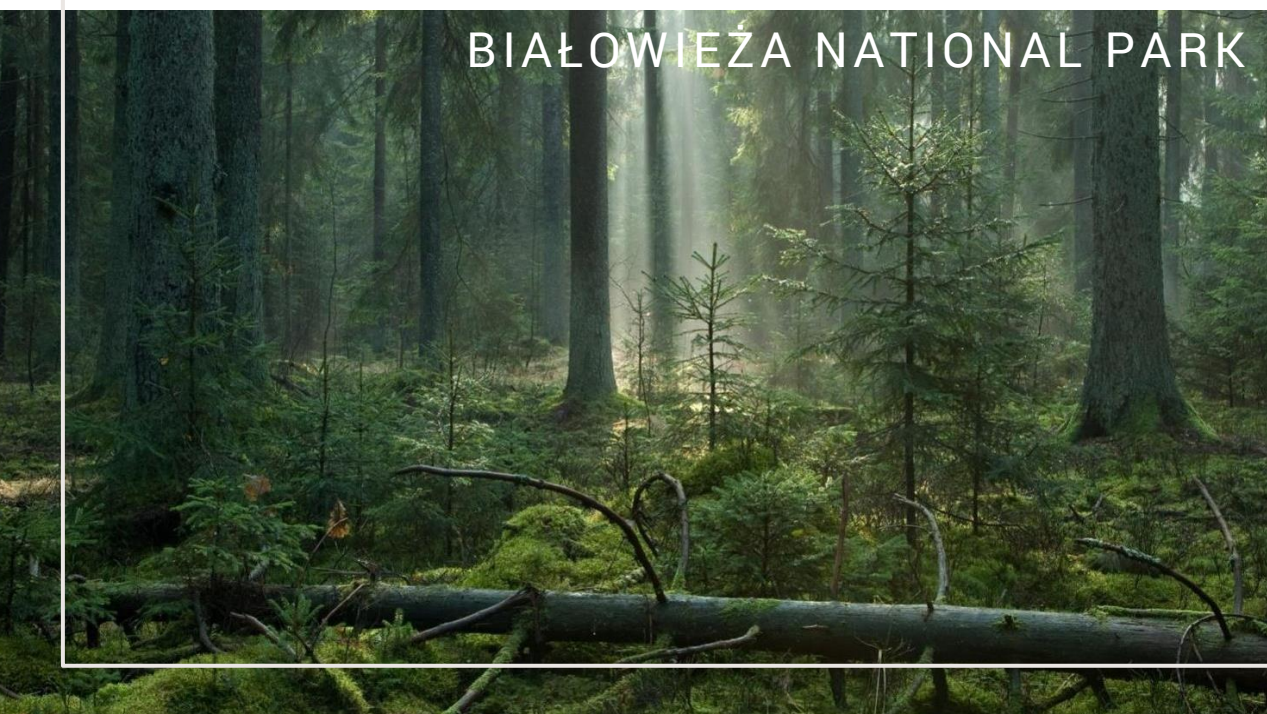
- Government
- Shared
- Private
- Community



SWISS NATIONAL PARK



EVERGLADES NATIONAL PARK



BIAŁOWIEŻA NATIONAL PARK



YORKSHIRE DALES NATIONAL PARK

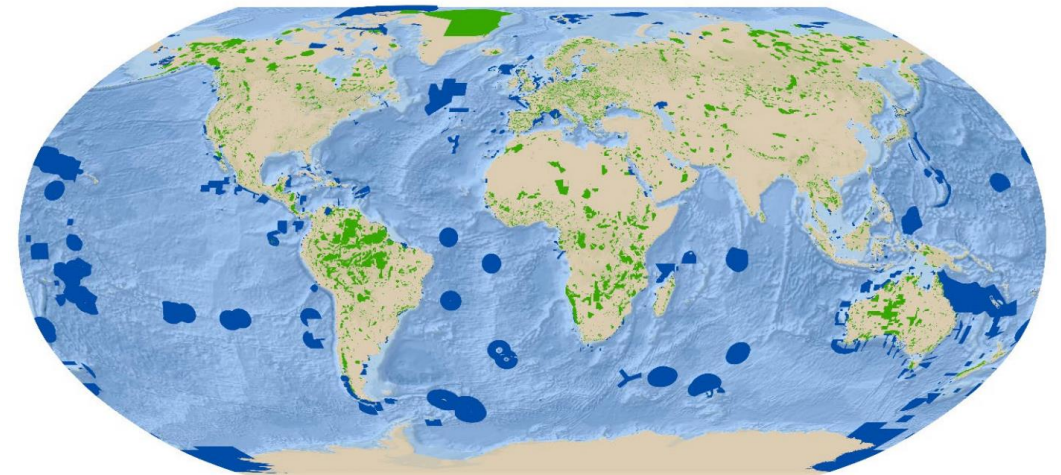
WHY ARE PROTECTED AREAS IMPORTANT AND WHY IS IT IMPORTANT TO MAP THEIR LOCATION?

In-situ conservation:

“the conservation of ecosystems and natural habitats and the maintenance and recovery of viable populations of species in their natural surroundings” (CBD 1992)

Protected areas are the cornerstone of in-situ conservation

- NGOs, CSOs, investors and the finance sector increasingly requesting companies to disclose and report on data related to location of sites, particularly within or near areas of high biodiversity value
- NGO's pressure to declare some PAs off limits for O&G development
- Regulators requesting more stringent mitigation measures (including offsets) within or near protected areas



Source: UNEP-WCMC and IUCN (2022). Protected Planet: The World Database on Protected Areas (WDPA) [On-line]. November 2022, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

■ Terrestrial protected areas ■ Marine and coastal protected areas

PROTECTED AREAS ARE DESIGNATED AT DIFFERENT LEVELS

National

Designated under national law

Different naming schemes exist in every country

Often grouped according to IUCN management categories

Regional

Based on regional conventions agreed by governments

e.g. Natura2000 in Europe

e.g. Regional Seas conventions (OSPAR, HELCOM Barcelona etc)

International

Based on international conventions/agreements between many governments

e.g. World Heritage

e.g. Wetlands of International Importance (Ramsar)

e.g. UNESCO Man and the Biosphere

IUCN MANAGEMENT CATEGORIES

A method for classifying the management objectives of a protected area

Help countries design a system of sites with a range of complementary management objectives

Voluntary system so many protected areas do not have an assigned category



Protected areas without management categories are still protected areas!

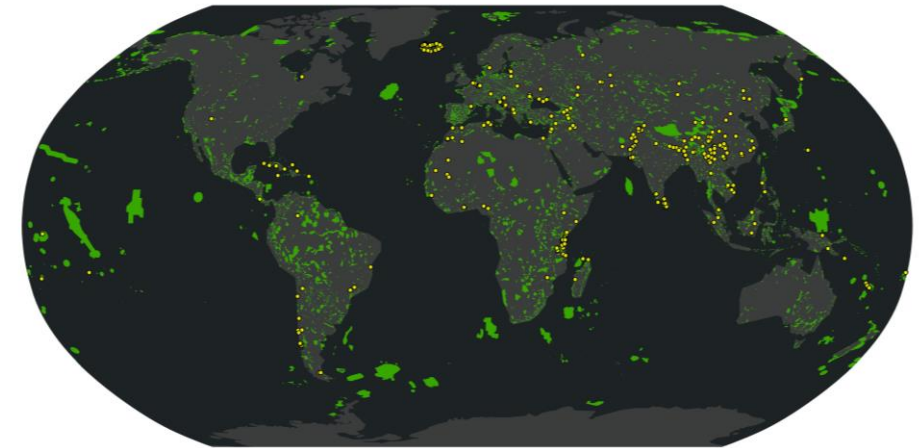
WHAT ARE KEY BIODIVERSITY AREAS (KBAs)?

“Sites contributing significantly to the global persistence of biodiversity.”

(IUCN 2016)

- Originally identified for birds
- Recently expanded to other taxa
- New criteria across taxa and realms promote KBAs as the key biodiversity site designation
- Over 16,000 identified so far

Key Biodiversity Areas (KBAs)



• Points
■ Polygons

BirdLife International (2021). World Database of Key Biodiversity Areas. Projection Robinson, Central Meridian 0 © UNEP-WCMC 2022



KBAS ARE IDENTIFIED ON SCIENTIFIC CRITERIA

A. Threatened Biodiversity

A1. Threatened species

A2. Threatened ecosystem types

B. Geographically restricted biodiversity

B1. Individual geographically restricted species

B2. Co-occurring geographically restricted species

B3. Geographically restricted assemblages

B4. Geographically restricted ecosystem types

C. Ecological integrity

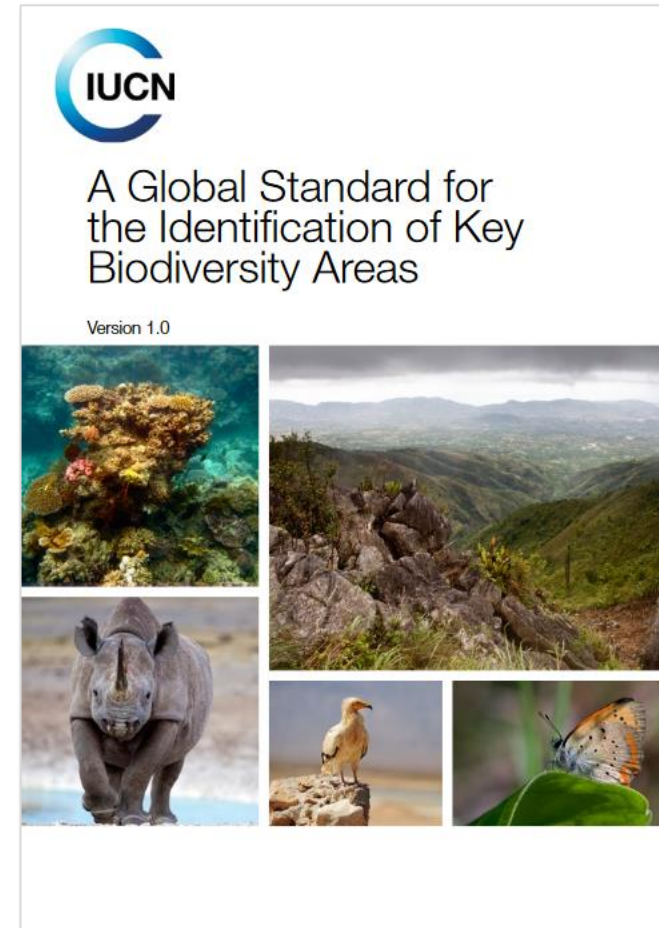
D. Biological processes

D1. Demographic aggregations

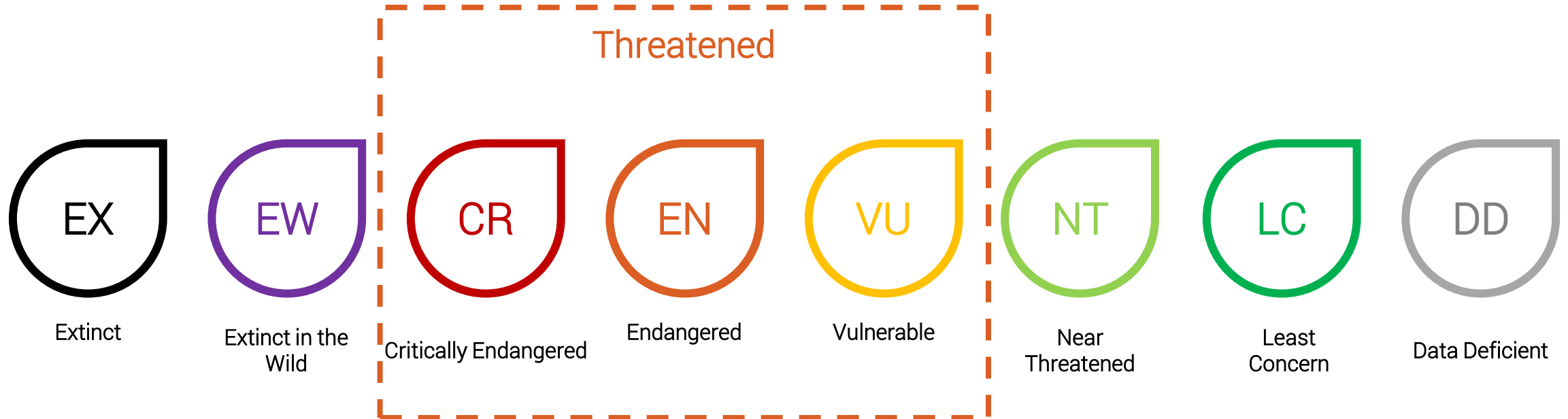
D2. Ecological refugia

D3. Recruitment sources

E. Irreplaceability through quantitative analysis

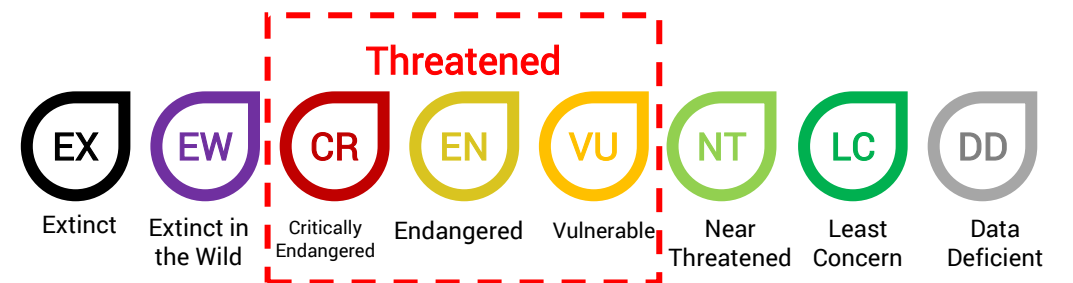


ONE WAY WE MEASURE "THREAT" IS THE EXTINCTION RISK OF SPECIES/ECOSYSTEMS



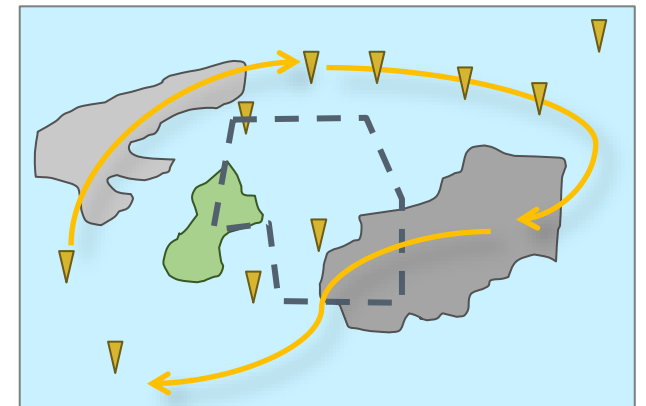
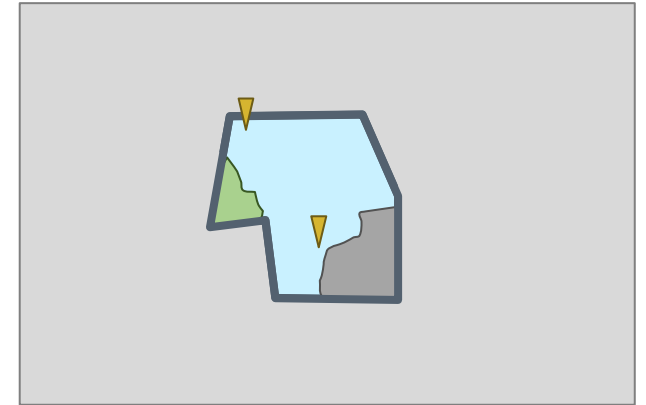
IUCN RED LIST OF SPECIES

- Established in 1964 by IUCN
- >147,500 species assessed as of November 2022
- Information on threats, ecological requirements, habitats and conservation actions to reduce or prevent extinctions
- Standardised assessment process to categorise species
- Re-evaluation every ~ 5-10 years
- Three categories of 'Threatened' species: Critically Endangered, Endangered and Vulnerable
- List also includes other categories e.g. 'Least Concern' species



BIODIVERSITY IS SPREAD ACROSS THE WIDER LANDSCAPE OR SEASCAPE

- Biodiversity and Ecosystem Services do not respect arbitrary operational boundaries
- It is critical to consider biodiversity and ecosystem service impacts in their broader spatial context
- All project lifecycle stages present potential impacts on biodiversity and ecosystem services



▼ species









Break (5 mins)



A look at biodiversity data through the Integrated Biodiversity Assessment Tool (IBAT)

Alex Ross, Programme Officer, UNEP-WCMC

WHAT IS IBAT?

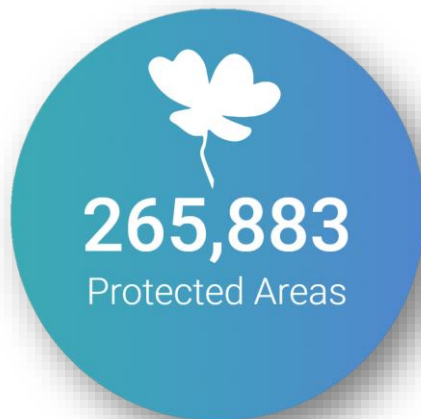
- A web-based map & reporting tool that provides fast, easy & integrated access to critical biodiversity information.
- An alliance between:
 -  CONSERVATION INTERNATIONAL
 -  IUCN
 -  BirdLife INTERNATIONAL
 -  Partnership for nature and people
 -  UN environment programme
 -  WCMC
- The source of the most globally authoritative biodiversity data:
 - The World Database on Protected Areas
 - The World Database of Key Biodiversity Areas
 - The IUCN Red List of Threatened Species
 - Species Threat Abatement and Restoration (STAR)
- A link between the private sector and biodiversity conservation.
- Incorporate biodiversity considerations into project planning and management decisions

IBAT DATASETS

The World Database on Protected Areas (Updated monthly)

The World Database of Key Biodiversity Areas (Updated 3 times a year)

The IUCN Red List of Threatened Species (Updated at least 3 times a year)



* IBAT is the only place where each of these datasets is available for commercial users

KEY FEATURES OF IBAT

Features

- Ability to draw polylines and polygons
- Upload multiple sites (csv, shp, KMZ, KML)
- Download data per specified area
- Create portfolio of 'Projects' (sites)
- Site page giving overview of a site
- Multiple report types: Proximity, IFC PS6/World Bank ESS6, Freshwater, Multi-site
- Ability to view all data in the IBAT map

Real-time updates

- Protected Areas
- Key Biodiversity Areas
- Red List of Species data
- Species Threat Abatement and Restoration (STAR)

Committed to continuous improvement and user support

- Fully maintained
- Scientifically robust
- Committed to innovation and new functionality

IBAT REPORTS

Proximity Reports

- High-level early stage biodiversity risk screening for a single site.
- Buffers from 1 to 50 km.
- Assess for overlap with:
 - Protected Areas.
 - Key Biodiversity Areas.
 - IUCN Red List species.

Create Report

Select Report Type

Freshwater Multi-site **Proximity**

PS6 & ESS6

Select Project

Please select an option

Select Buffers (km)

Hold down Ctrl or ⌘ to select up to 3 buffers.

Please select between 1 and 3 options

1 2 3 4 5

Create Cancel

Require further information on the reports IBAT offers? Head over to our [examples page](#) for a detailed explanation of each report and a downloadable example.



Integrated Biodiversity Assessment Tool

PROXIMITY REPORT

TRAINING_TEST_1

Country: Mozambique

Location: [-25.9, 32.6]

Date of analysis: 11 January 2022 (GMT)

Buffers applied: 1 km | 10 km | 50 km

IUCN Red List Biomes: Marine, Freshwater, Terrestrial

Generated by: Aime Rankin

Organisation: UNEP-WCMC

Overlaps with:

Protected Areas	5
Key Biodiversity Areas	6
IUCN Red List	137



Displaying project location and buffers: 1 km, 10 km, 50 km

IBAT REPORTS

Freshwater

- High-level early stage biodiversity risk screening for a single site with potential to impact freshwater ecosystems.
- Upstream and downstream buffers.
- Point features only.

Create Report

Select Report Type

Select Project

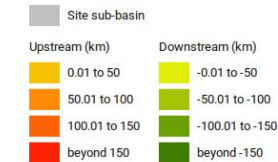
Please select a project that has a point geometry. A freshwater report cannot be generated for polylines or polygons.

Define the upstream and downstream range for the report below.

Upstream (KM)		Downstream (KM)	
Zone	Distance	Zone	Distance
1	50	1	50
2	100	2	100
3	150	3	150
4	Beyond Zone 3	4	Beyond Zone 3

IBAT

Upstream beyond 150



IBAT REPORTS

World Bank Group Risk Reports

- High-level early stage biodiversity risk screening for a single site with specific reference to PSS6 and ESS6.
- Assesses Critical habitat likelihood.
- Buffers pre-defined at 10 and 50 km.

Create Report

Select Report Type

Freshwater Multi-site Proximity

PS6 & ESS6

Select Project

Please select an option

Create Cancel

Require further information on the reports IBAT offers? Head over to our [examples page](#) for a detailed explanation of each report and a downloadable example.



Integrated Biodiversity Assessment Tool World Bank Group Biodiversity Risk Screen

TRAINING_TEST_1

- Country: Mozambique
- Location: [-25.9, 32.6]
- IUCN Red List Biomes: Marine, Freshwater, Terrestrial
- Created by: Aime Rankin

Overlaps with:

Protected Areas	1 km: 0	10 km: 1	50 km: 4	5
World Heritage (WH)	1 km: 0	10 km: 0	50 km: 0	0
Key Biodiversity Areas	1 km: 0	10 km: 1	50 km: 5	6
Alliance for Zero Extinction (AZE)	1 km: 0	10 km: 0	50 km: 1	1
IUCN Red List				64
Critical Habitat				Likely



Displaying project location and buffers: 1 km, 10 km, 50 km



This report is based on IFC Performance Standard 6 (PS6) but applies to World Bank Environmental and Social Standard 6 (ESS6)

IBAT REPORTS



Multi Site

- IBAT Multi-site reports designed to help companies reporting for GRI/ SASB, and certification schemes .
- GRI Disclosure 304-1 Identify operational sites owned, leased, managed in, or adjacent to, **protected areas** and areas of high biodiversity value outside protected areas (aka **Key Biodiversity Areas**)
- GRI Disclosure 304-4 Identify presence of **IUCN Red List** species and national conservation list species with habitats in areas affected by operations.

Overlap with protected areas and Key Biodiversity Areas (KBAs)

The following table shows the number of protected areas and KBAs overlapped by a 50.0 km buffer for each operational site where an overlap occurs.

Site	Area (km ²)	Protected Areas	KBAs
Training_test_1	0	5	6
Training_test_2	0	173	20

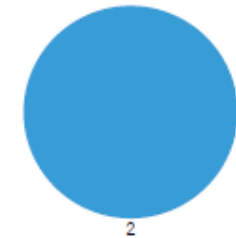
% Summary of protected areas overlap



2 (100.00% of sites) are within 50.0 km of a protected area.

0 (0.00% of sites) are not within 50.0 km of a protected area.

% Summary of KBAs overlap



2 (100.00% of sites) are within 50.0 km of a Key Biodiversity Area.

0 (0.00% of sites) are not within 50.0 km of a Key Biodiversity Area.

Site	Protected Area	Distance (km)	Area (km ²)	Protected Areas	KBAs
Training_test_1	0	0	0	5	6
Training_test_2	0	0	173	173	20

SPECIES THREAT ABATEMENT AND RESTORATION METRIC (STAR)

IBAT

Integrated Biodiversity Assessment Tool
SPECIES THREAT ABATEMENT AND RESTORATION REPORT
SUMATRA STAR POLYGON

1.1 Summary

Country: Indonesia
 Location: [3.6, 98.3]
 Date of analysis: 17 June 2021 (GMT)
 Size of site: 1166 km²
 Generated by: Ben Jobson
 Organisation: IBAT
 Total STAR Threat Abatement score (centiSTAR unit): 2,086.82
 Total STAR Restoration score (centiSTAR unit): 1,263.06
 Mean STAR Threat Abatement score (centiSTAR unit): 44.4
 Mean STAR Restoration score (centiSTAR unit): 26.87

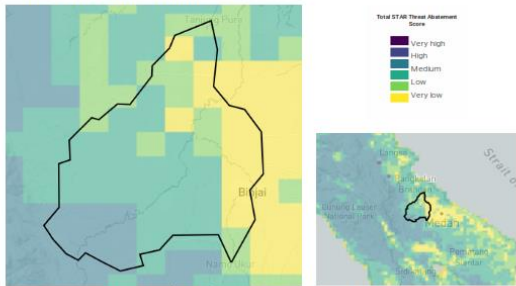
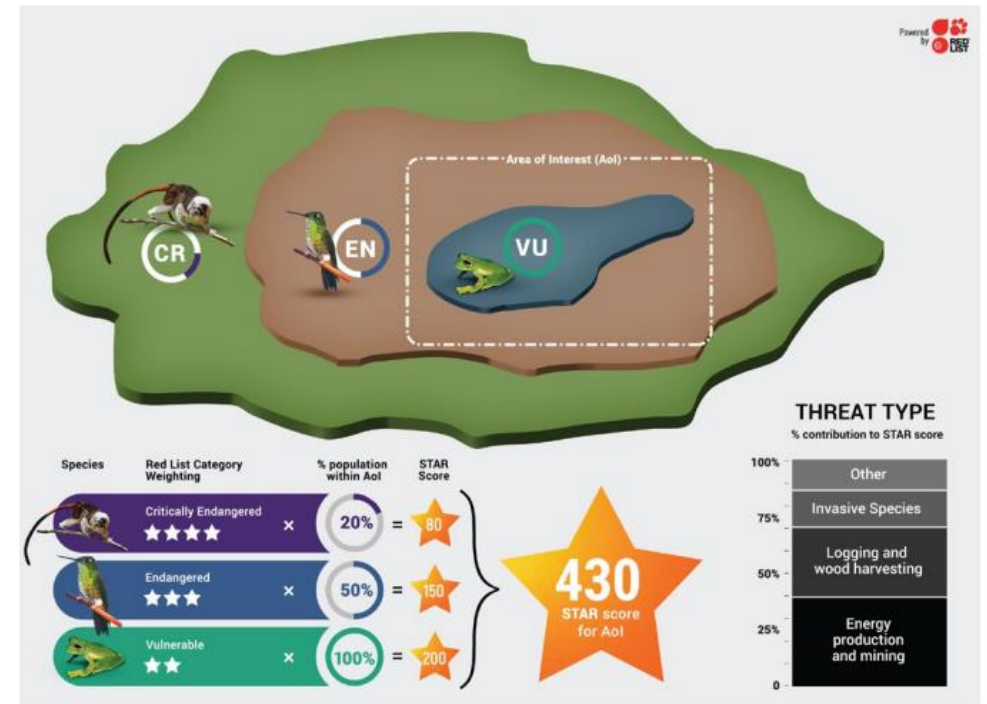
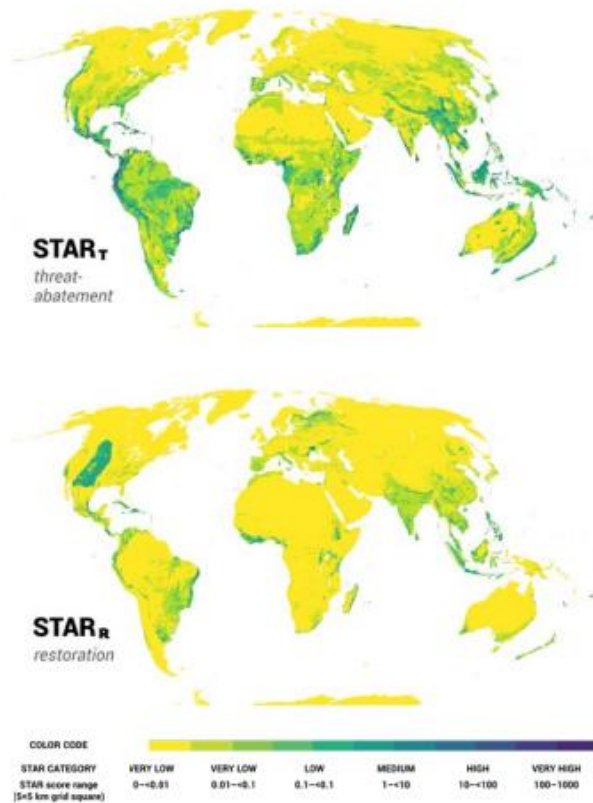


Figure 1: STAR Threat Abatement map for Area of Interest. Grid cell score categories range from Very Low to Very High. Note that low scores do not mean that there are no threatened species present. Grid cells are at a 5 km resolution.



Integrated Biodiversity Assessment Tool

The world's most
authoritative biodiversity
data for your world-shaping
decisions

Create account

STAR STAR is now available in IBAT!



Last data update
01/11/2022



Demo

Bringing Data to Life

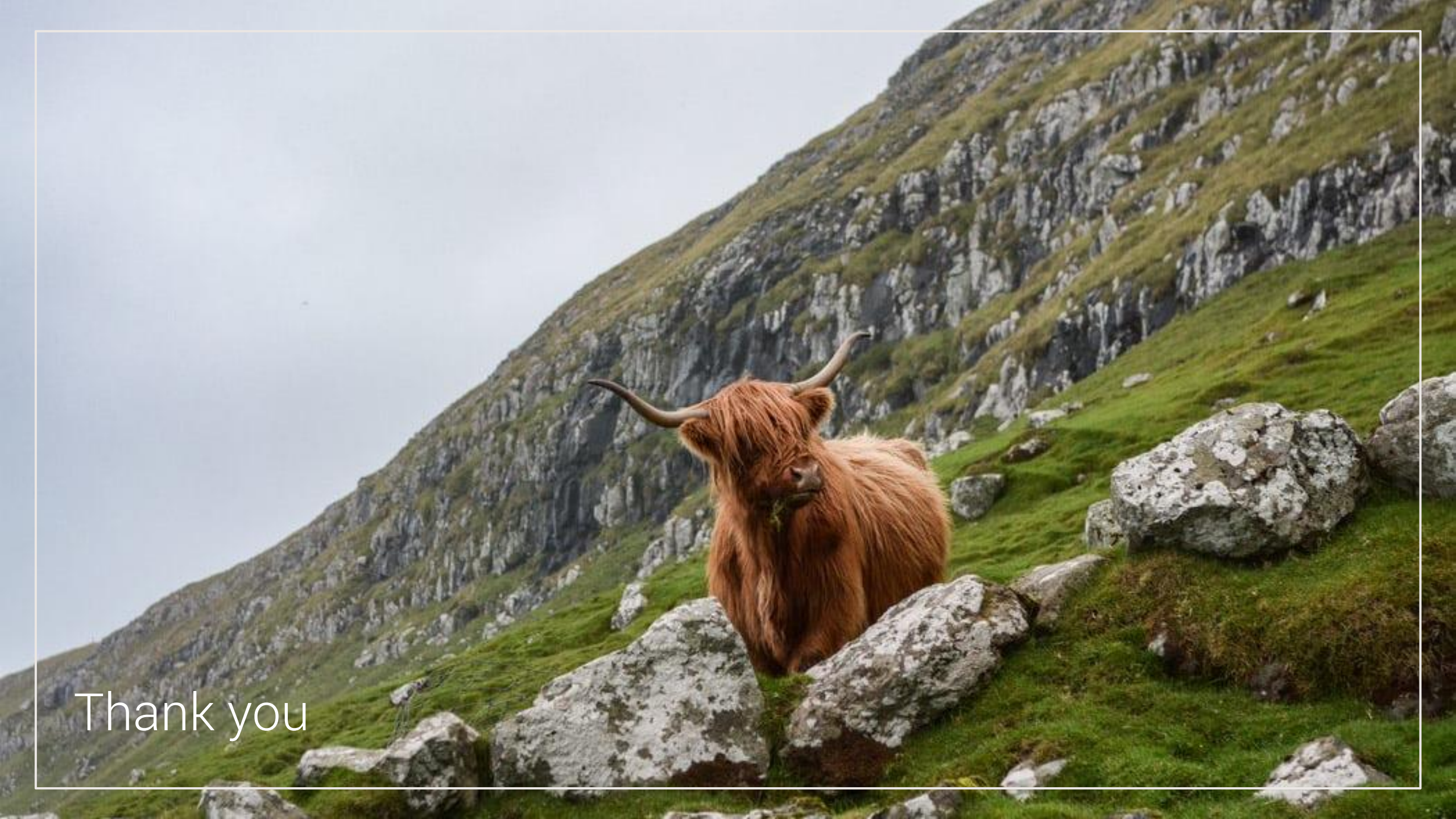
Sample Reports

TRAINING OBJECTIVES

At the end of the training you will be familiar with:

- Drivers for improved biodiversity management
- The Proteus Partnership, its objectives and what resources it makes available to you
- How to access Proteus support
- Key biodiversity concepts related to the resources available through Proteus
- Biodiversity data, namely those available through Proteus, how these are identified and how they can be used to deliver positive biodiversity outcomes





Thank you

UN 
**environment
programme**

WCMC

Biodiversity fundamentals and Proteus training

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