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Biodiversity fundamentals and the Proteus Partnership

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ArcelorMittal

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ABOUT THIS TRAINING

- This training course was developed by UNEP-WCMC through the Proteus Partnership. It draws on material developed under the Proteus Partnership, and with reference to material co-developed by UNEP-WCMC and other organisations specifically for the extractives sector.
- This training course has been created for ArcelorMittal and may include material provided by ArcelorMittal including information on policies and processes, and case studies from current and past operations. The inclusion of this material does not imply endorsement by the United Nations Environment Programme, UNEP-WCMC, or the authors.
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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
- How to access and interrogate key biodiversity datasets through the IBAT tool



AGENDA

- Setting the scene: drivers for biodiversity management
- Overview of the Proteus Partnership and its objectives
- Resources available through Proteus
- An introduction to IBAT



A wide-angle photograph of Uluru, a large sandstone rock formation in Australia, during sunset. The rock is illuminated with a warm orange glow, contrasting with the deep blue sky. The foreground is filled with tall, dry grasses. A small white circle is visible in the upper left corner of the sky.

Setting the scene

Bálint Ternyik, Programme Officer, UNEP-WCMC

NATURE AND BIODIVERSITY

NATURE “The nonhuman world, including coproduced features, with particular emphasis on living organisms, their diversity, their interactions among themselves and with their abiotic environment” (IPBES, 2019)

- Biodiversity, the biosphere, ecosystem functioning, biomes
- Geology, water, climate
- Ecological, evolutionary and biogeochemical processes
- Natural resources, natural capital and natural assets

BIODIVERSITY “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” (CBD, 1992)



Nature under multiple, sustained, accelerating pressures

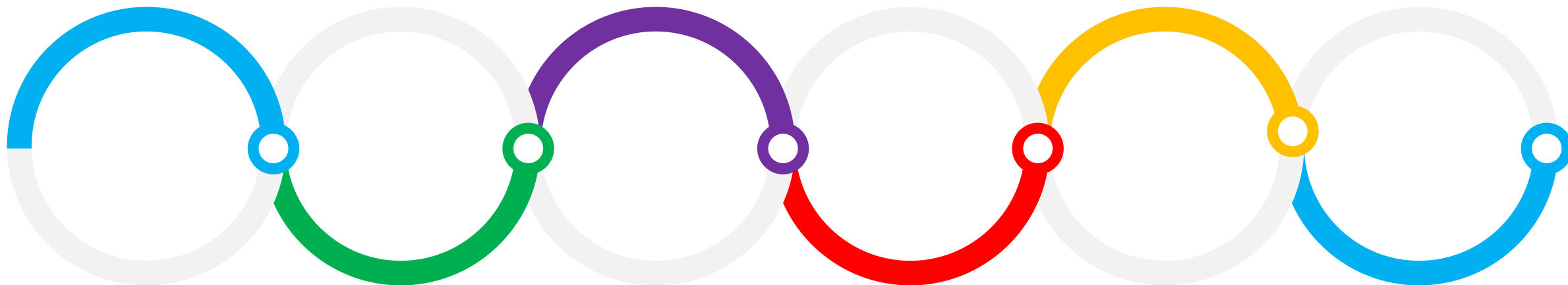
Resource extraction intensifying

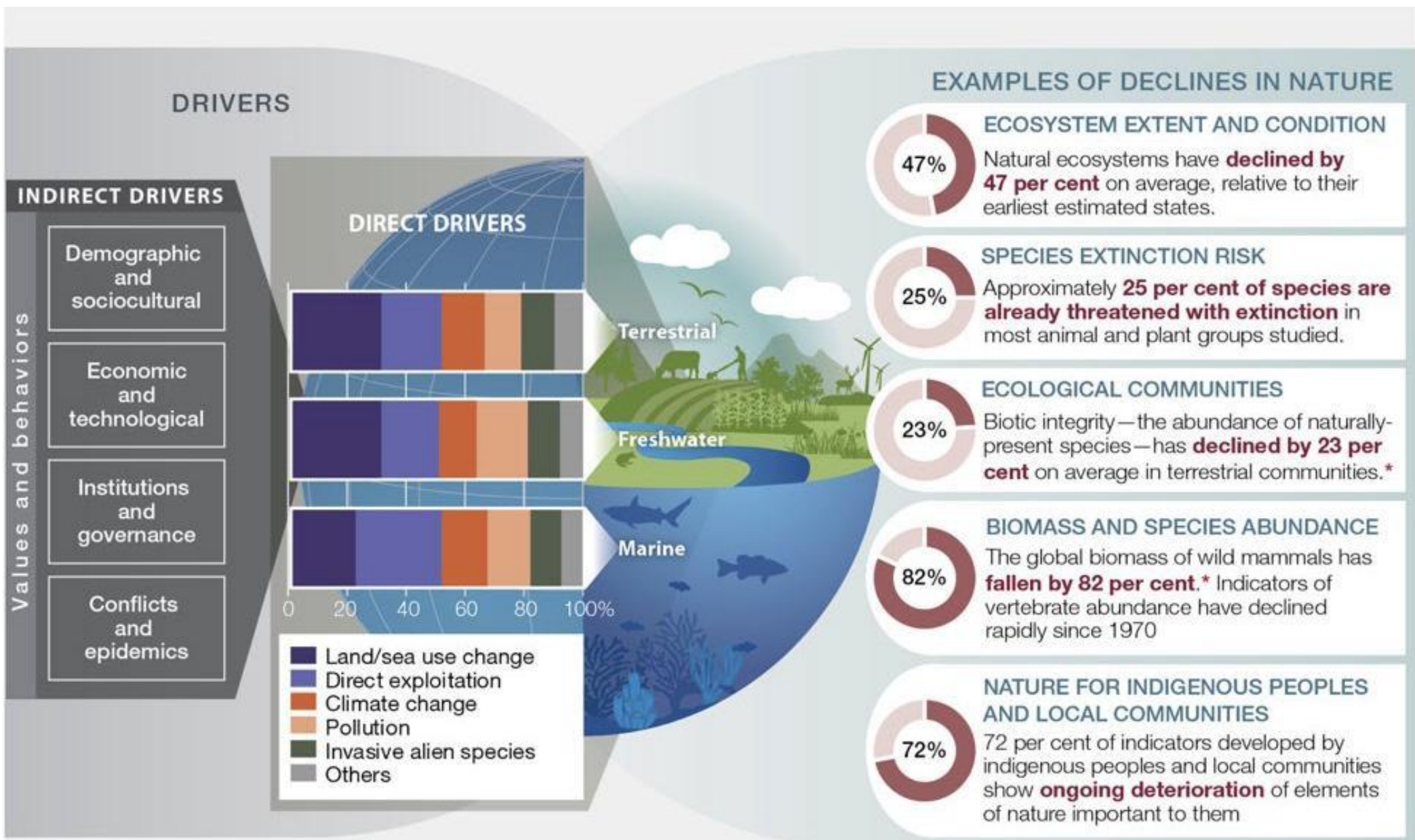
Window of opportunity to address climate crisis closing

Ecosystem services in decline

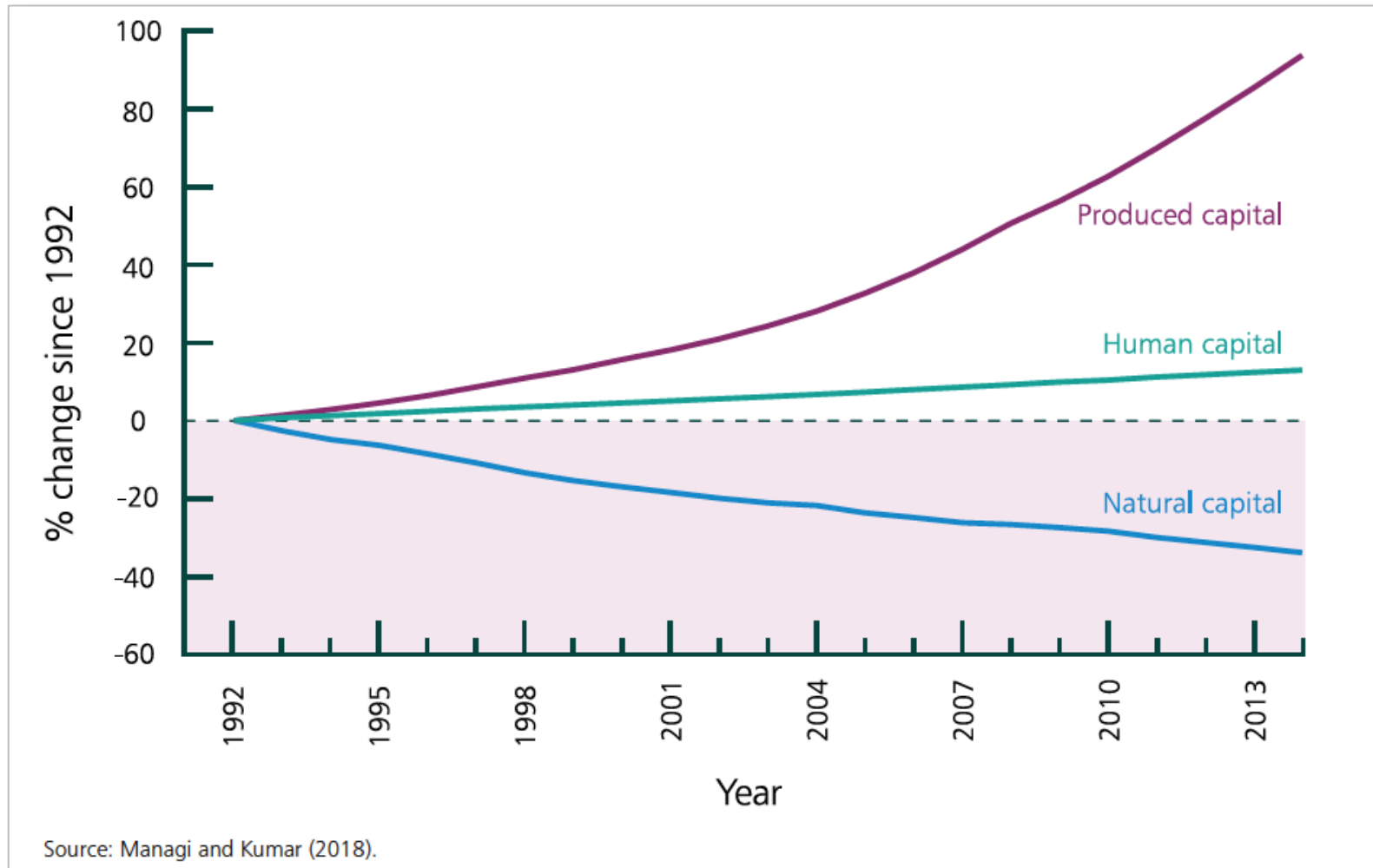
Economic growth drawing down on natural capital

Nature loss creating real business risk





DASGUPTA REVIEW: DECLINE OF NATURAL CAPITAL



Nature loss as
business risk is
now well
recognised

Top 10 Global Risks by Severity

Over the next 10 years

10 years

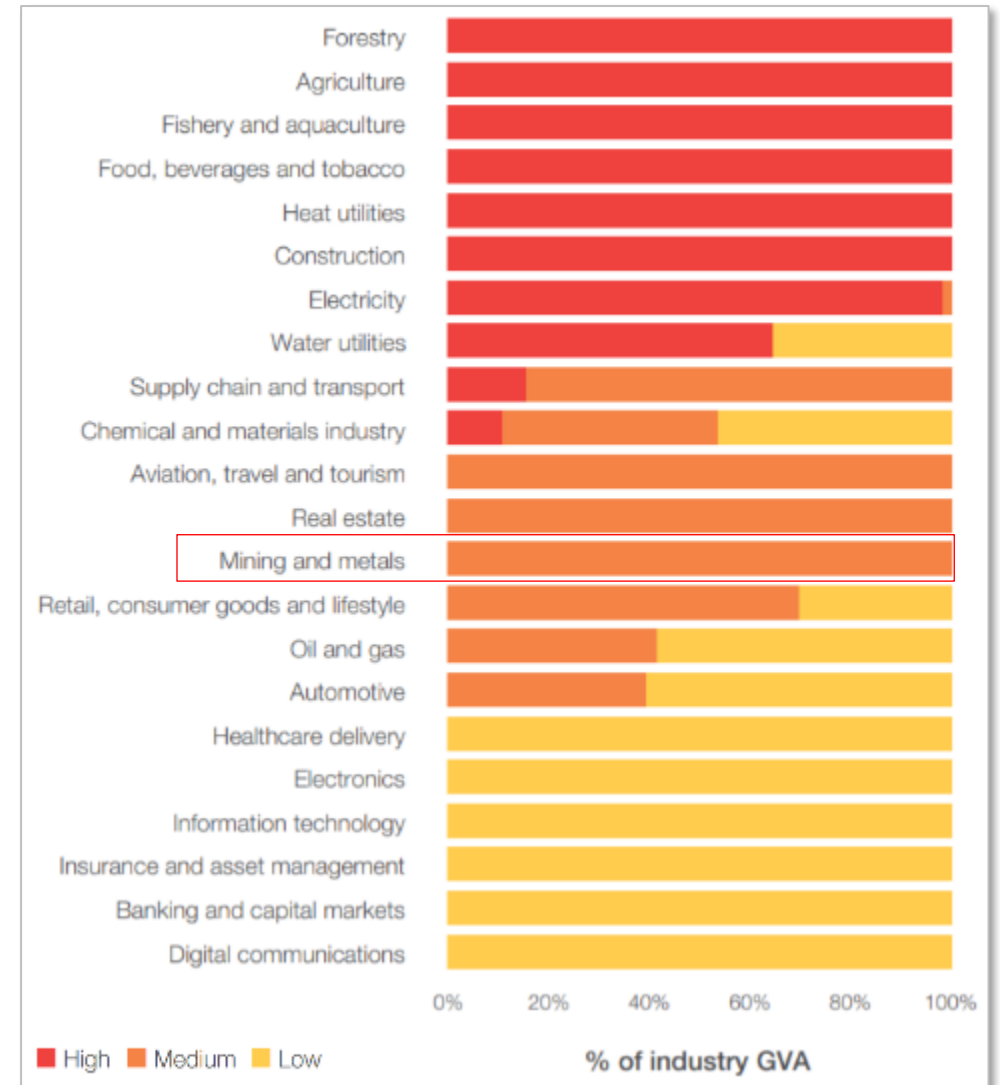


■ Economic ■ Environmental ■ Geopolitical ■ Societal ■ Technological

THIS TRANSLATES TO POTENTIAL DISRUPTION FOR BUSINESSES

- Globally, \$44 Trillion of economic value generation are at risk from nature loss (50% of Global GDP)

Percentage of direct gross value added (GVA) with high, medium, low nature dependency, by industry



Source: World Economic Forum (2020)

KUNMING-MONTREAL GLOBAL BIODIVERSITY FRAMEWORK

Goal A

Increasing the resiliency of ecosystems, species and genetic diversity

Goal B

Biodiversity is sustainably used and managed

Goal C

Utilisation of genetic resources and digital sequence information

Goal D

Adequate means of implementation (including financial resources and capacity building)

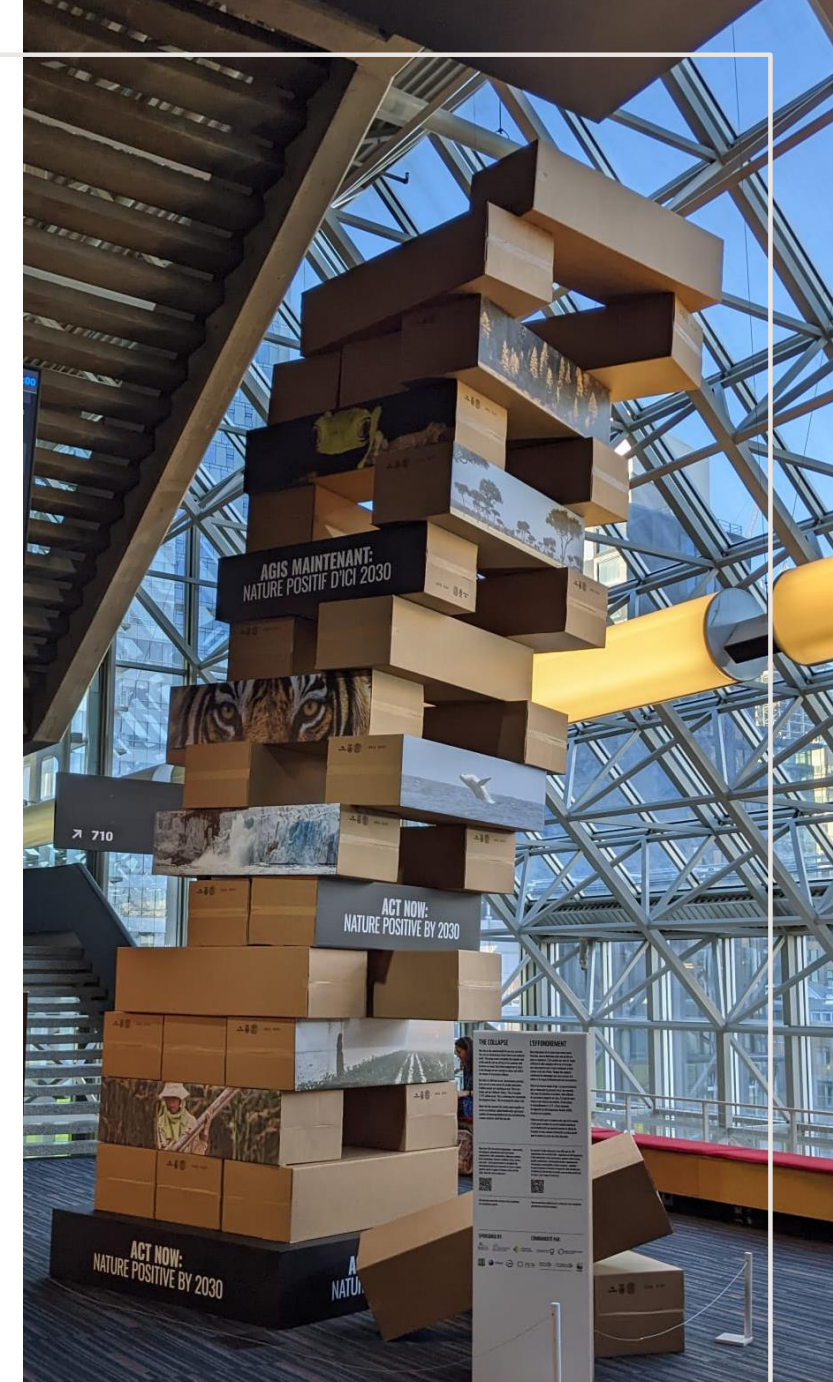
23 action targets under the headings:

- Reducing threats to biodiversity
- Meeting people's needs through sustainable use and benefit-sharing
- Tools and solutions for implementation and mainstreaming

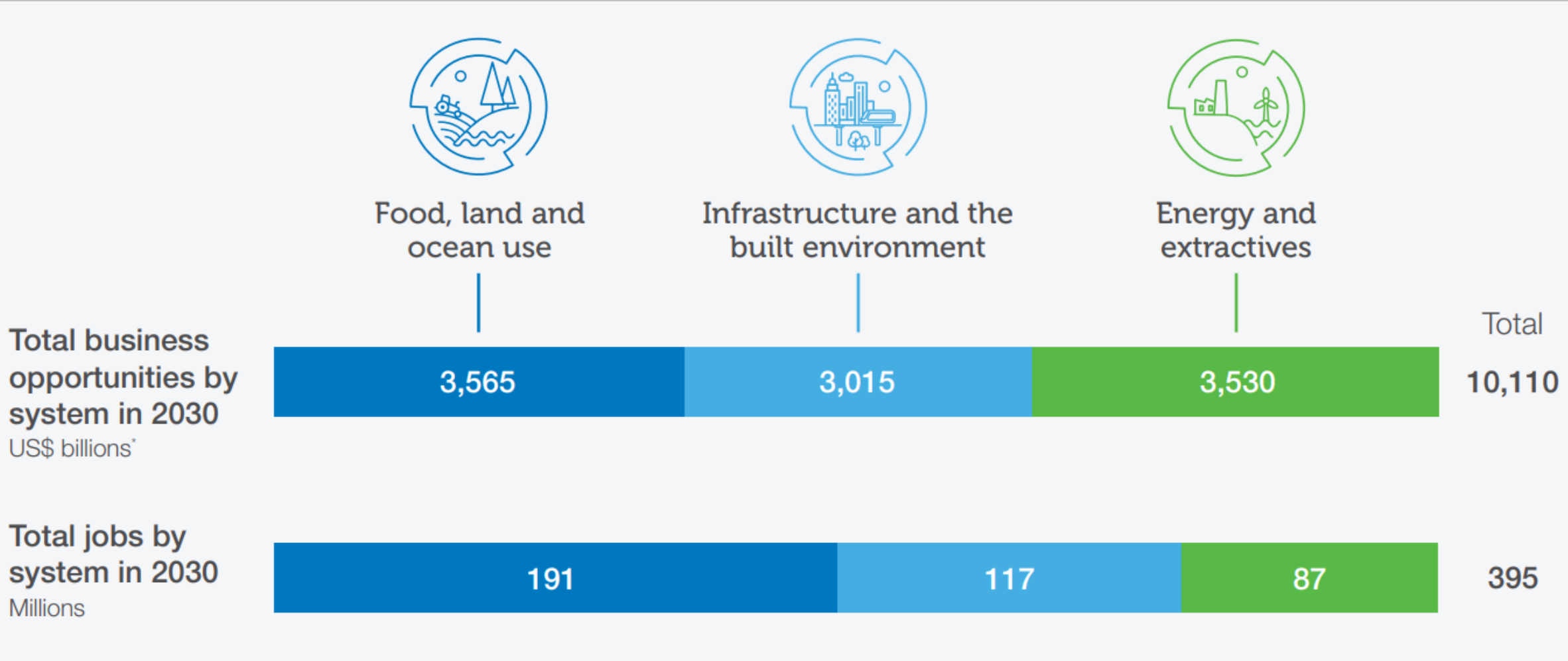
The entire framework is relevant for business

EMERGING CONSIDERATIONS AND IMPLICATIONS FOR BUSINESS

- Reducing pressures and drivers for change to halt and reverse biodiversity loss
- Opportunities to align business strategies and commitments with global goals
- Mechanisms and data for assessing materiality and supporting disclosure across operations and supply chains
- Emerging regulatory requirements as part of revised ESIA's or permitting processes



A NATURE-POSITIVE TRANSITION PRESENTS BUSINESS OPPORTUNITIES



Source: World Economic Forum (2020)



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

Supporting dialogue with indigenous people and communities

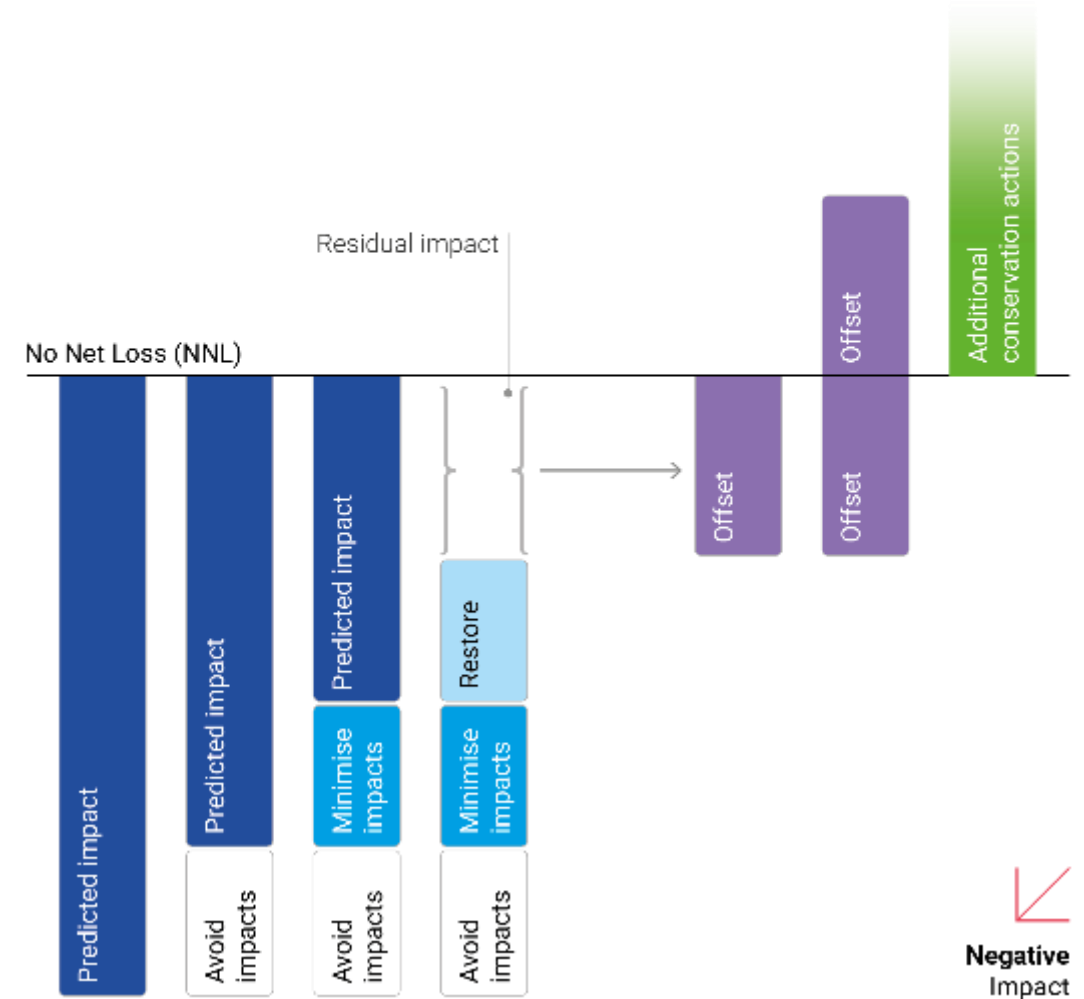
MITIGATING IMPACTS AT SITES



Net Gain (NG)

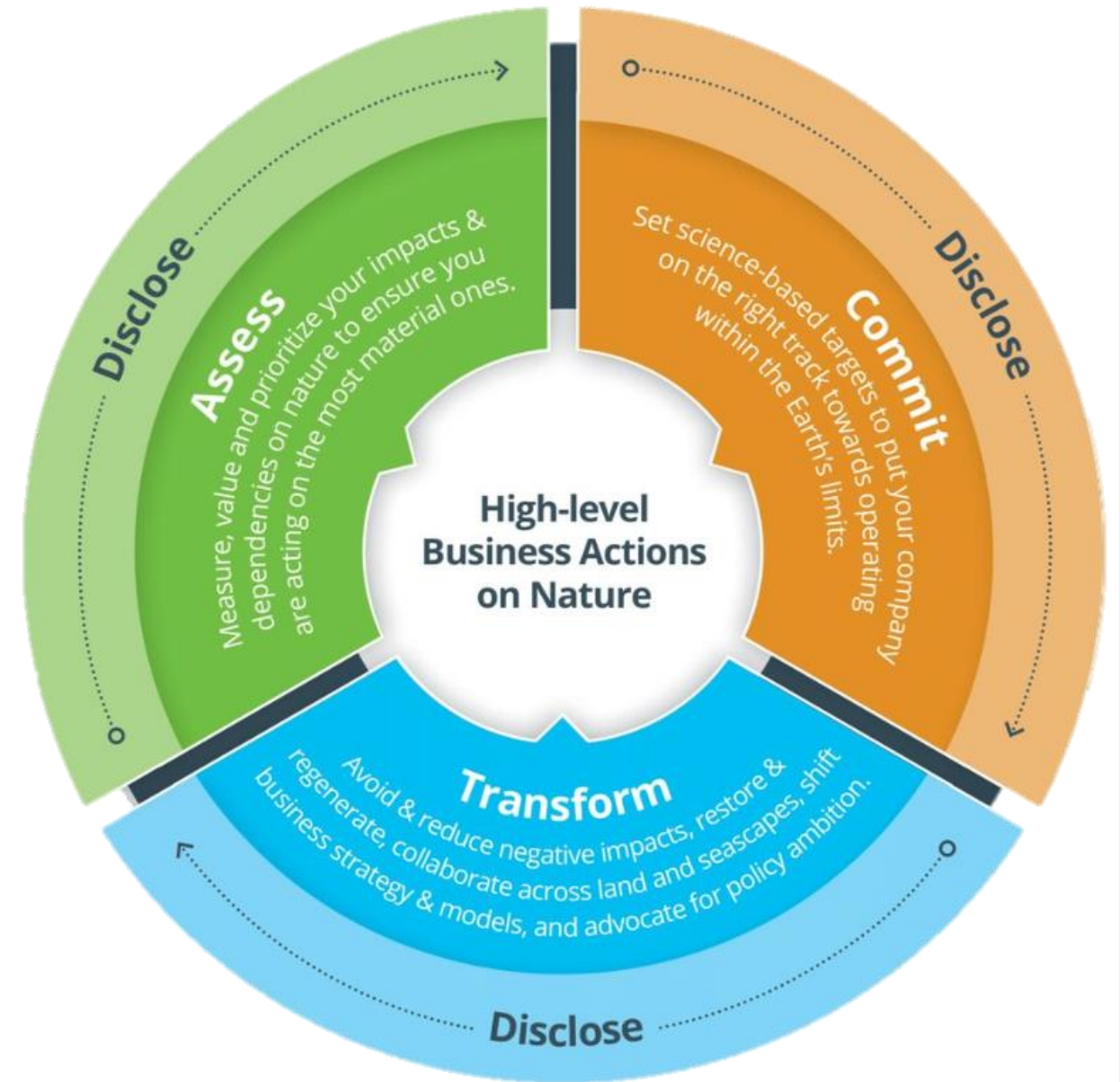
Sequential steps to minimise negative impacts on biodiversity:

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



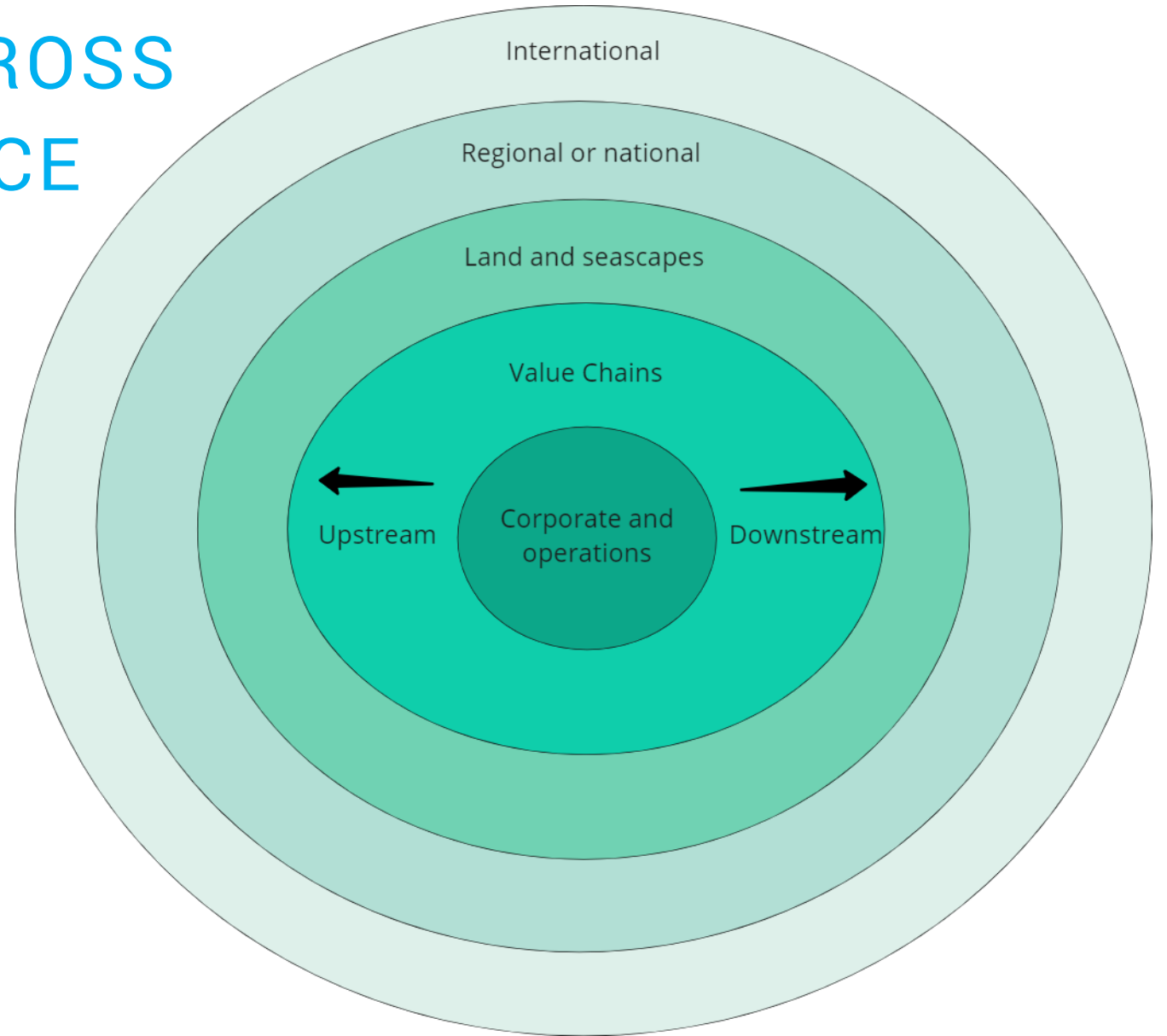
BUSINESS ACTIONS

- Assess impacts and dependencies
- Set science-based commitments
- Maintain robust internal policies and standards to achieve net gains
- Use positive influence to amplify efforts



ACTIONS CUTTING ACROSS SPHERES OF INFLUENCE

- To achieve nature-positive outcomes businesses need to act across spheres of control and influence
- Alignment with international goals and advocating for increased ambition





Overview of the Proteus Partnership

Alex Ross, Senior Programme Officer, UNEP-WCMC

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UNEP-WCMC is a centre of excellence on biodiversity working to ensure science, knowledge and insight are at the heart of national and global policy

The Proteus Partnership is a collaboration between UNEP-WCMC and leading businesses supporting companies to contribute towards nature-positive





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 contribute to 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

EXAMPLES OF PROTEUS PARTNER NATURE COMMITMENTS

Teck: “Goal to become a **nature positive** mining company by 2030 ... including through conserving or rehabilitating at least three hectares for every one hectare affected by its mining activities”

BHP: “create **nature-positive outcomes** by having at least 30% of land and water...under conservation, restoration or regenerative practices”

Shell: “new projects in areas rich in biodiversity – critical habitats – will have a **net positive impact** on biodiversity”

Hydro: “**No net loss** of biodiversity in new projects”

Newmont: “[new projects] **No net loss** of key biodiversity values as a result of mine-related activities or a **net gain**, when possible, within 10 years post mine closure”

Anglo American: “achieving a **net positive impact** on biodiversity across our managed operations”

BP: “From 2022 all new bp projects in scope will have plans in place aiming to achieve **net positive impact** (NPI)”



How Partners use Proteus

Site level

- Supplementing Environmental Impact Assessments
- Informing biodiversity management and action plans
- Applying the Mitigation Hierarchy
- Designing restoration projects, offsets, and additional conservation actions
- Developing internal guidance on nature commitments
- Prioritising locations for action
- Assessing impacts and dependencies
- Risk and opportunity screening
- Advancing biodiversity SME technical knowledge
- Engaging non-specialist audiences across the business

Corporate level

- Embedding data in GIS systems and workflows
- Sharing data, knowledge and best practices
- Network building and learning from other businesses
- Informing nature strategies
- Understanding alignment between external standards and initiatives
- Keeping track of global policy developments

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+

Marine and coastal habitat data

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



Proteus website

Access all information resources offered through Proteus

Access: www.proteuspartners.org



UNEP-WCMC Resources

Access spatial datasets and other resources

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



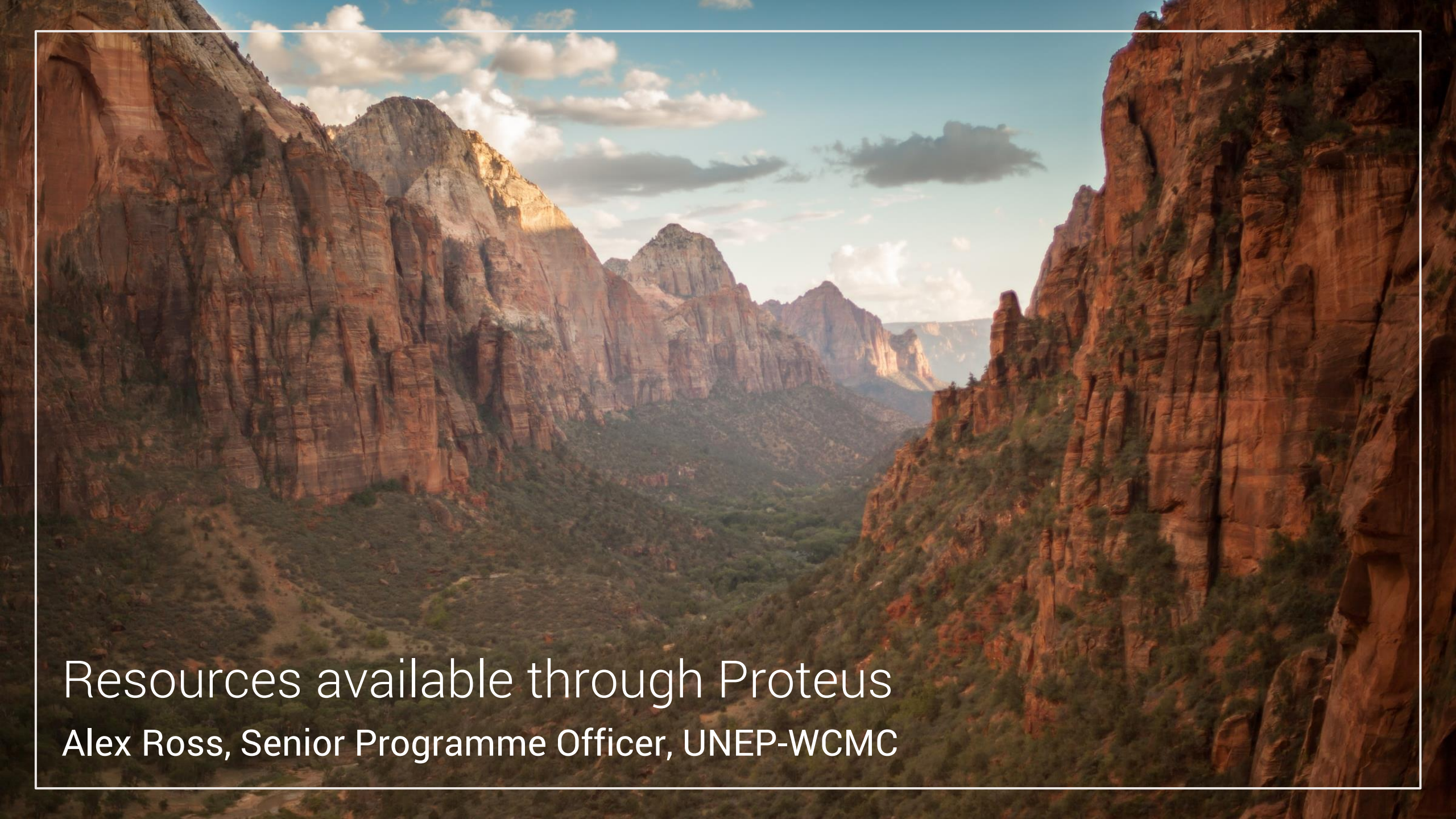
PROTEUS BENEFITS

Data and analytics

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

Capacity and support

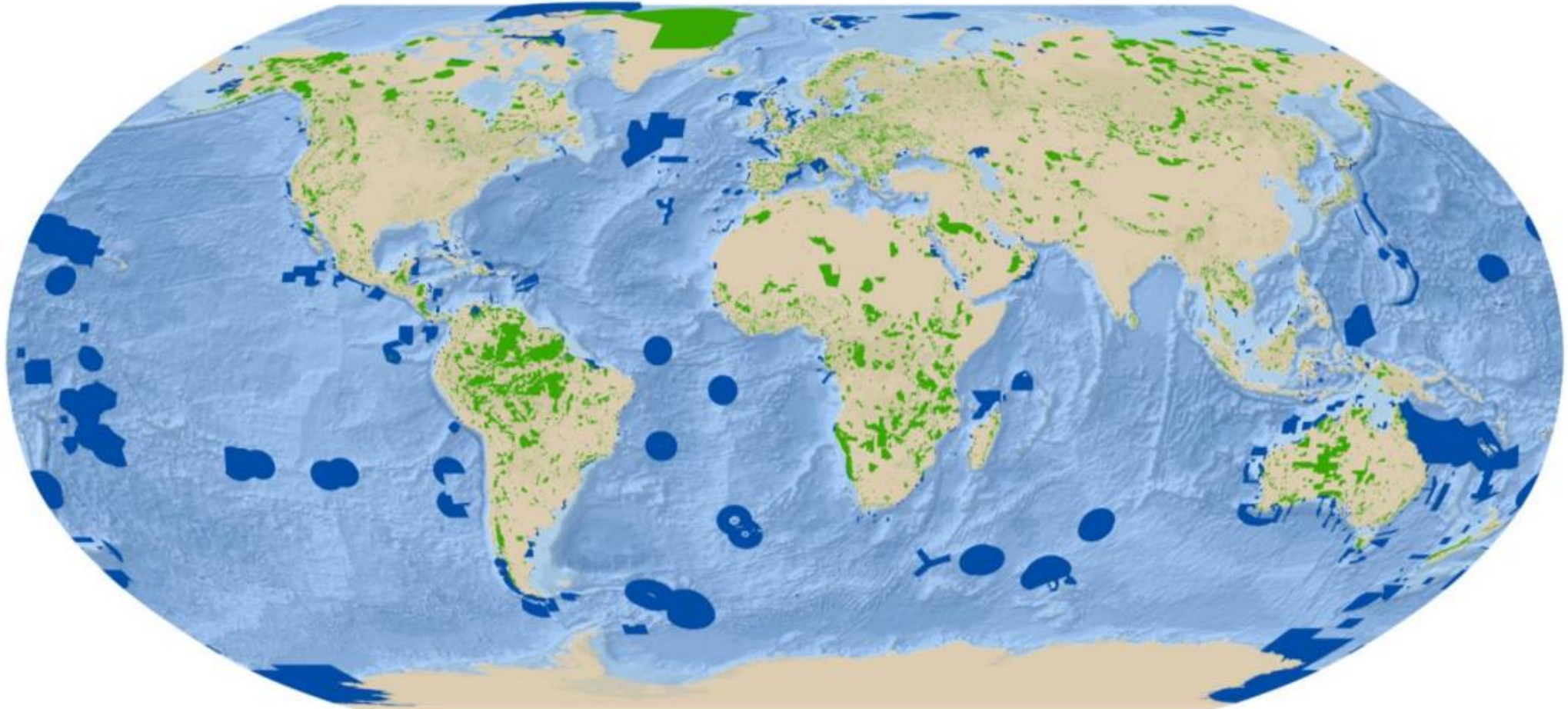
- Technical assistance from UNEP-WCMC's expert team
- Online and in person training and access to training resources
- Horizon scanning webinars and briefings, helping companies track progress, upcoming events and potential business implications
- Access to and influence over leading biodiversity datasets and tools



Resources available through Proteus

Alex Ross, Senior Programme Officer, UNEP-WCMC

THE WORLD DATABASE ON PROTECTED AREAS



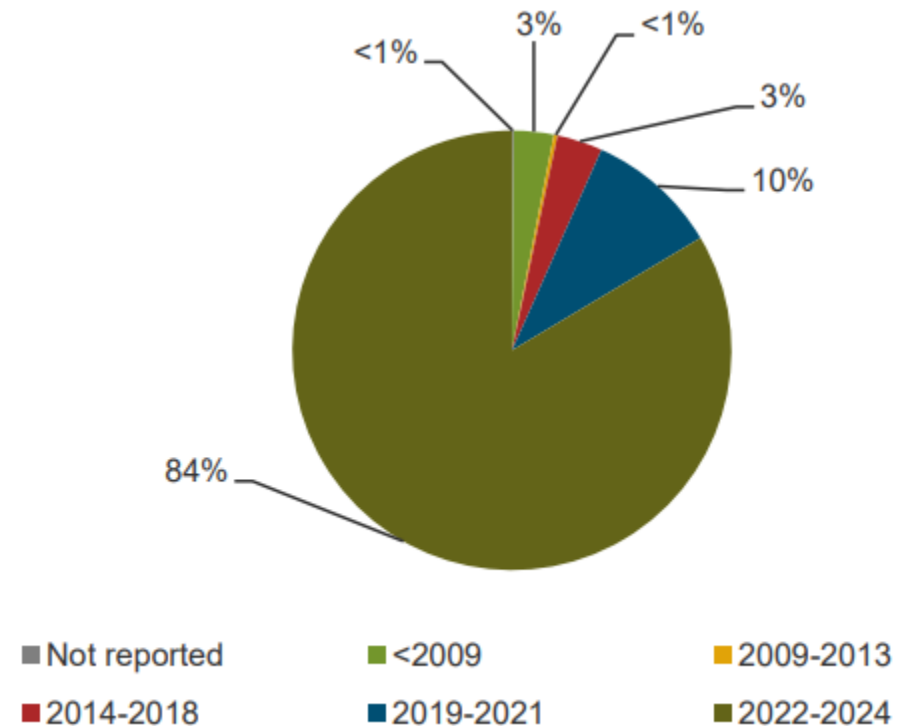
Source: UNEP-WCMC and IUCN (2024). Protected Planet: The World Database on Protected Areas (WDPA) [On-line], April 2024, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

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

FIVE YEAR UPDATE FREQUENCY TARGET

- Most of the WDPA has been updated in the last five years
- Focus on Proteus Partner priority countries
- Some countries are challenging to update

Percentage of records updated or validated by year



MONTHLY UPDATES



[Download the April 2024 WDPa release](#)

The total number of protected area records in this release is **295,460** comprising **283,464** polygons and **11,996** points. Please click on the links below to access the data factsheet and infographic for this release of the WDPa.

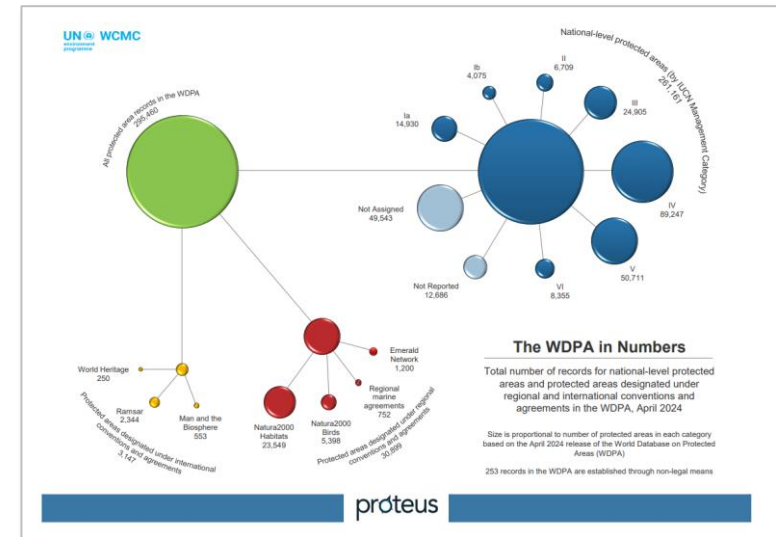
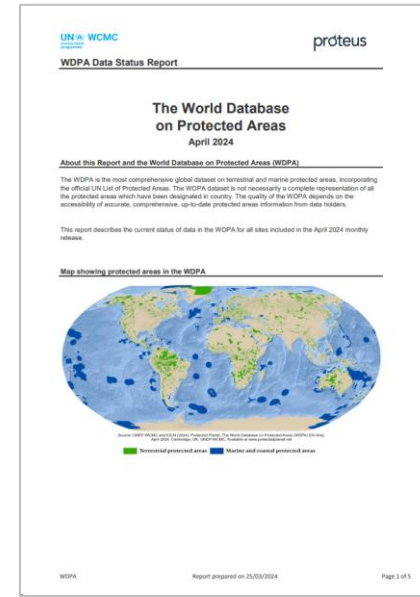
[Data Factsheet](#)

[Infographic](#)

Highlights

Bermuda - Complete update of national-level protected area and [Ramsar Wetland of](#)

Jordan - Complete update of national-level protected area records, which includes the



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



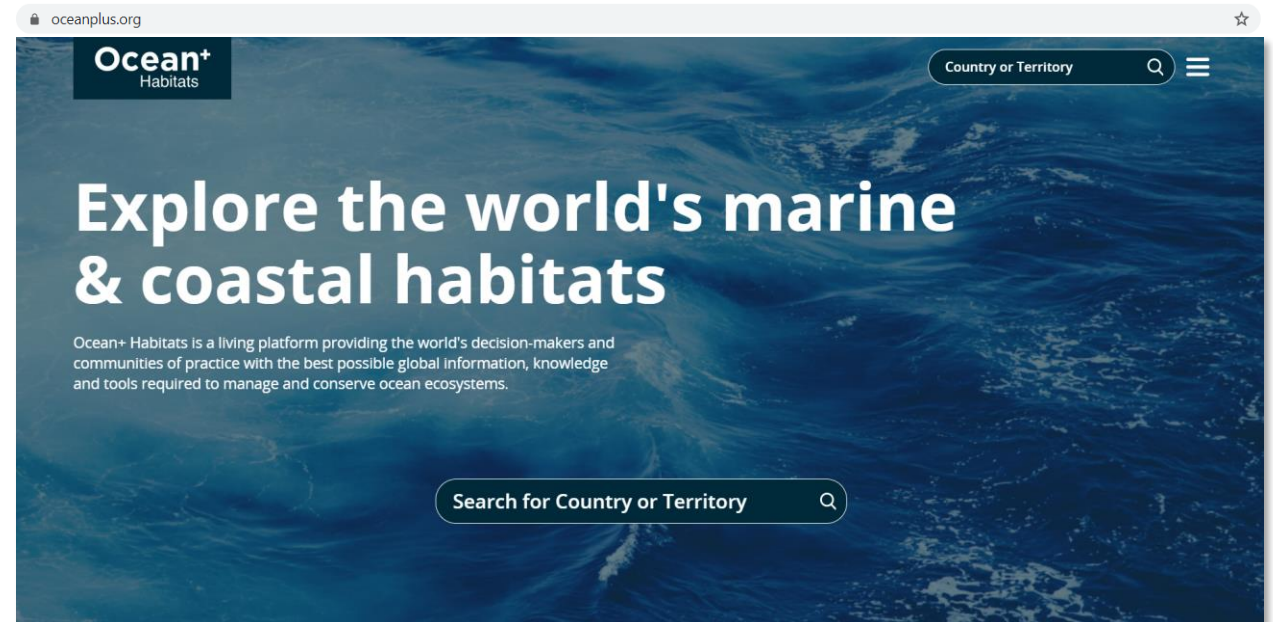
Seagrasses



Saltmarshes



Mangroves



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 and the "UN WCMC" logo. Below the header is a large banner image of colorful parrot feathers. The banner contains the text "Concise and authoritative information about biodiversity" and a search bar with a "Search" button and a dropdown menu set to "All themes". Below the banner, the "Browse by theme:" section features 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 of the page, there is a dark blue footer with the text "Definition: Biodiversity" and a detailed definition of biodiversity.

UN WCMC
environment
programme

BIODIVERSITY a-z | UN WCMC

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.

UNEP-WCMC RESOURCES

- A portal for accessing biodiversity spatial datasets



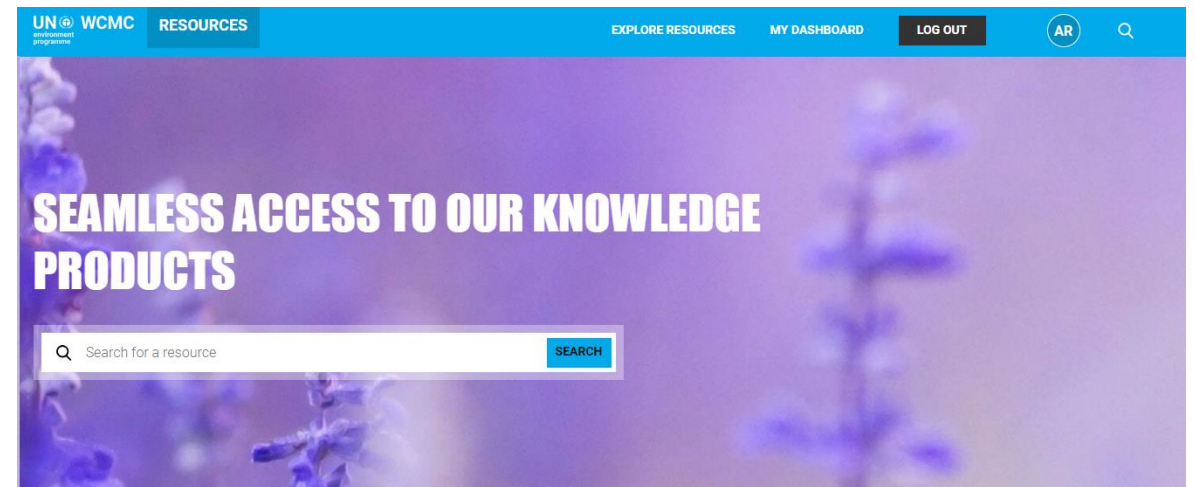
High-quality data on various aspects of biodiversity



Specific login area collating resources most relevant for Proteus Partners



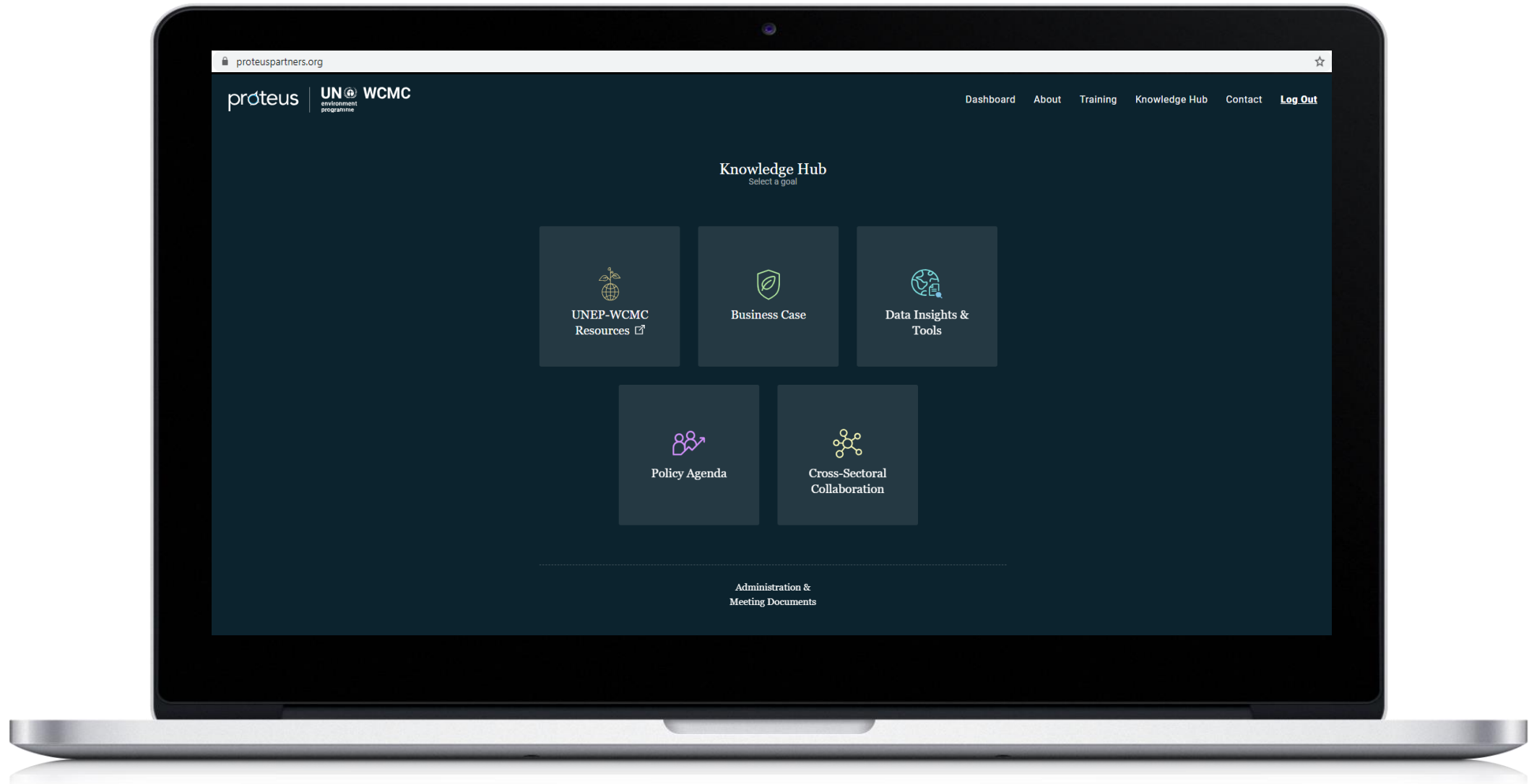
More than 30 spatial datasets



POPULAR RESOURCES

A map showing the distribution of mangroves in green.	A map showing the distribution of coral reefs in pink.	A world map showing the distribution of seagrasses in blue.	A partial view of a world map showing seagrass distribution.
GEOSPATIAL DATASET PROTEUS	GEOSPATIAL DATASET PROTEUS	GEOSPATIAL DATASET PROTEUS	GEOSPATIAL DATASET PROTEUS
Global Mangrove Watch The Global Mangrove Watch (GMW) was initiated as part of the JAXA Kyoto & Carbon In...	Global Distribution of Coral Reefs This dataset is the most comprehensive global dataset of warm-water coral reefs to date...	Global Distribution of Seagrasses This dataset shows the global distribution of seagrasses, and is composed of two subset...	Global Distribution of Seagrasses This dataset shows the global distribution of seagrasses, and is composed of two subset...

PROTEUS WEBSITE (www.proteuspartners.org)



PROTEUS TECHNICAL BRIEFS

UNEP-WCMC Technical Briefing
May 2023

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Biodiversity data sharing

Why and how Proteus Partners should share data through GBIF

Key Messages

- This document explains why Proteus Partners should share biodiversity data through the Global Biodiversity Information Facility (GBIF) and then provides step-by-step guidance on how to do so.
- Open-access data sharing through GBIF feeds into global research and policy on biodiversity, including, for example, assessments for the IUCN Red List of Threatened Species. It can also provide operational benefits to companies and support compliance with emerging disclosure requirements.
- The simplest way for Proteus Partners to share data is using the existing GBIF infrastructure, working with one or more GBIF country-level facilities ('Participant Nodes'). This brief gives ten steps to follow when sharing data through GBIF in this way.
- Barriers to company data sharing, including technical and business barriers, are increasingly being overcome. Several companies, including Proteus Partners, have already shared biodiversity data through GBIF.
- Both UNEP-WCMC (through Proteus) and the GBIF Network can provide technical support to help Proteus Partners navigate the data sharing process.

Data sharing overview: Why and how?

Why share biodiversity data?

Data on biodiversity are collected by Proteus Partners as part of site management activities such as impact assessments and monitoring. This includes presence of species at and around sites, through direct observations and supported by technology like camera traps, drones, and environmental DNA (eDNA). The biodiversity data collected by Proteus Partners could benefit global conservation efforts, however at present it is rarely accessible for this purpose.

any primary biodiversity data generated under financed/funded projects to be published³. Furthermore, it is integral to the Proteus Strategy 2021-2025 that the Partnership contributes towards open data, including enabling *'observation data collected by the private sector to feed into global datasets which then become much more useful as a result'*⁴.

Businesses themselves can benefit from sharing their biodiversity data. This includes operational

UNEP-WCMC Technical Briefing
November 2021

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

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



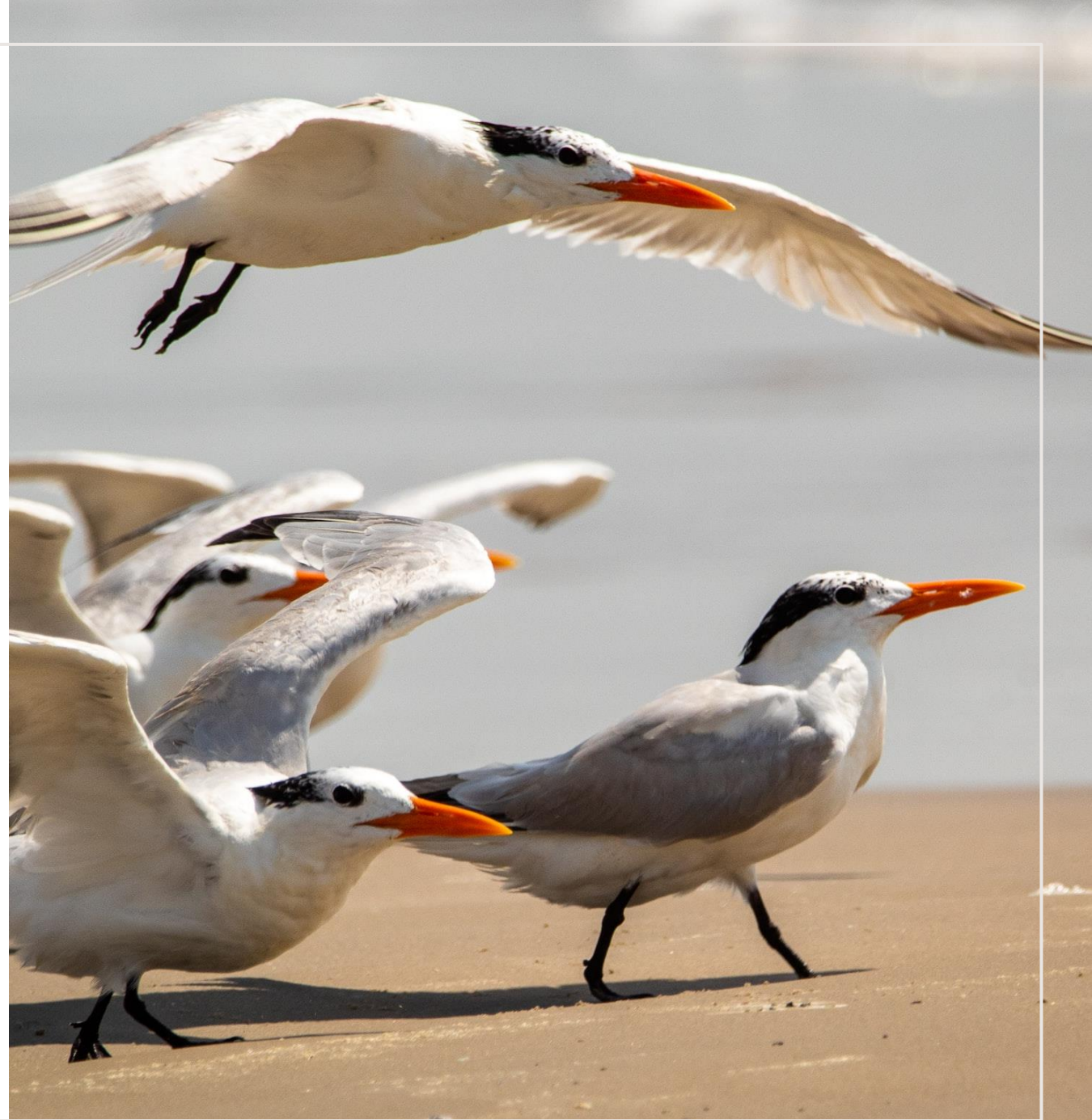
Key Messages

- 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.

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PROTEUS HORIZON SCAN WEBINARS

A series of webinars for Proteus Partners about the latest trends and developments in biodiversity policy, initiatives, data and tools



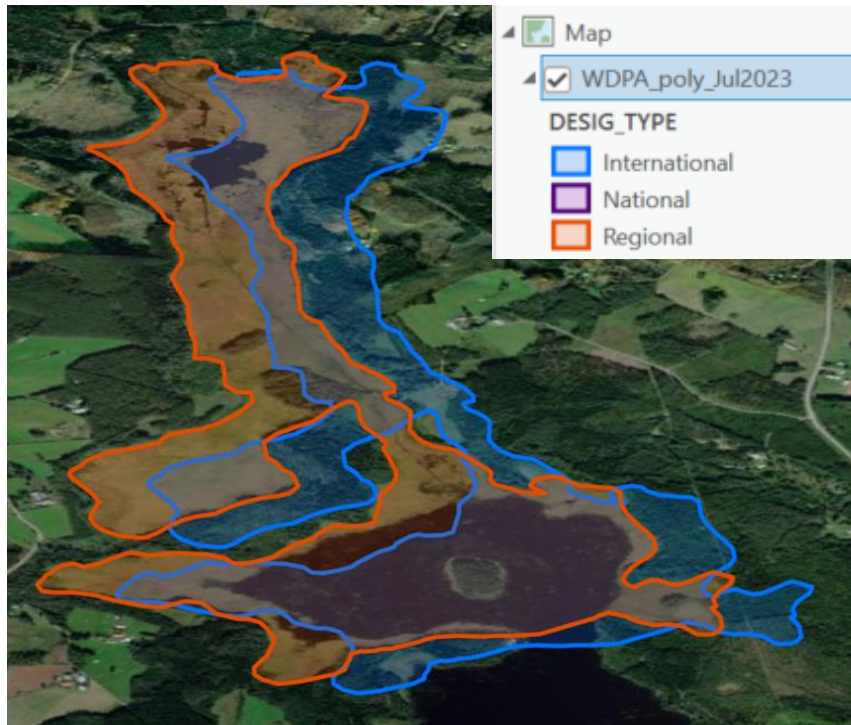
PROTEUS DATA FORUMS

A venue for direct communication between data users in Proteus Partner companies and data developers and technical experts at UNEP-WCMC and other organisations



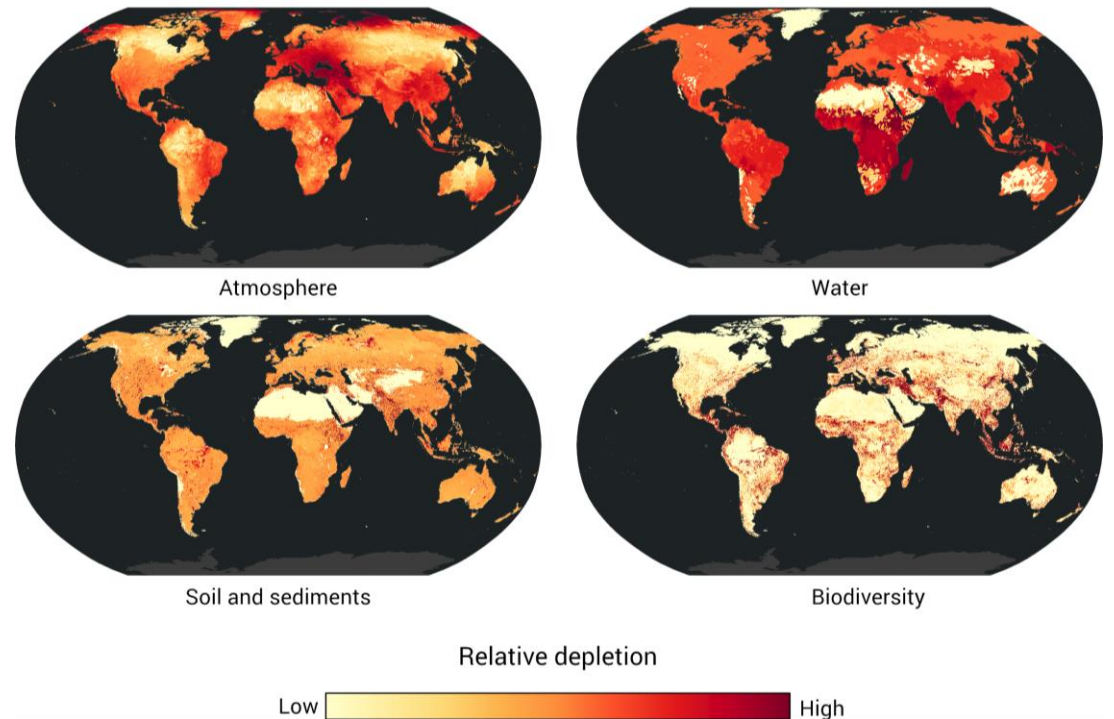
DATA VERIFICATION AND TECHNICAL SUPPORT

Data verification – clarifications on data quality and interpretation



Example query – Potential protected area boundary discrepancy between overlapping designations

Technical support – assistance or guidance on technical work



Example technical support – Appropriate data layers to use for different analysis questions

A close-up photograph of a frog swimming in clear, blue-green water. The frog is positioned in the lower-left quadrant of the frame, facing right. Its large, prominent eyes are clearly visible, and its body is partially submerged. The background is a soft, out-of-focus gradient of light blue and green, suggesting a natural aquatic environment. The entire image is enclosed within a thin white border.

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

Bálint TERNYIK, Programme Officer, UNEP-WCMC

WHAT IS IBAT?

- A web-based mapping and reporting tool that provides fast, easy and integrated access to critical biodiversity information

- An alliance between:      

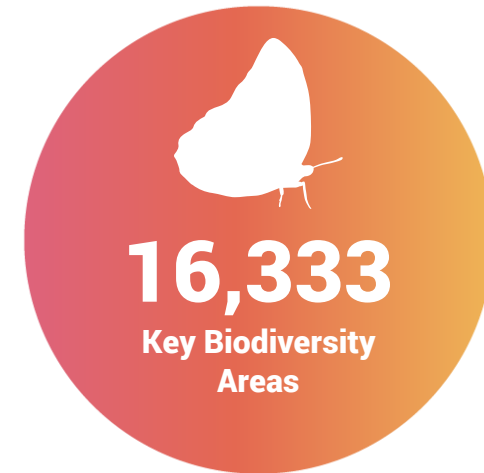
- The source of the most globally authoritative biodiversity data:
 - The World Database on Protected Areas
 - The World Database of Key Biodiversity Areas
 - The IUCN Red List of Threatened Species
 - Species Threat Abatement and Restoration (STAR)
 - Rarity-weighted richness layer
- A link between 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

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

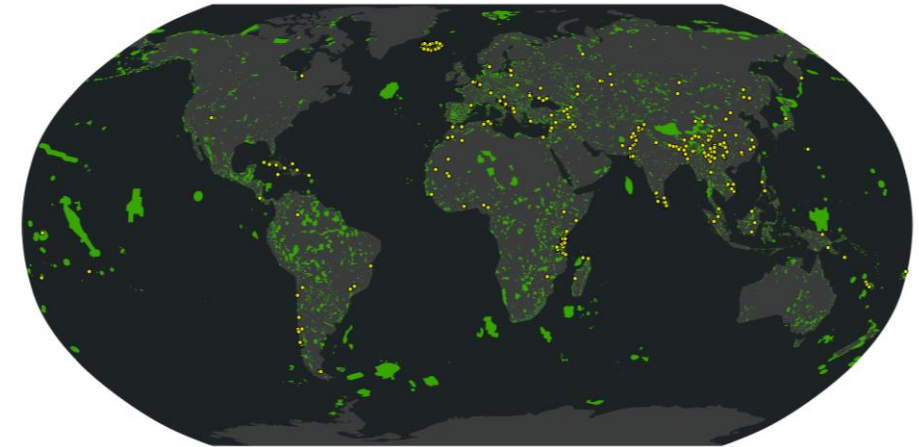
WHAT ARE KEY BIODIVERSITY AREAS (KBAs)?

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

(IUCN 2016)

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

Key Biodiversity Areas (KBAs)



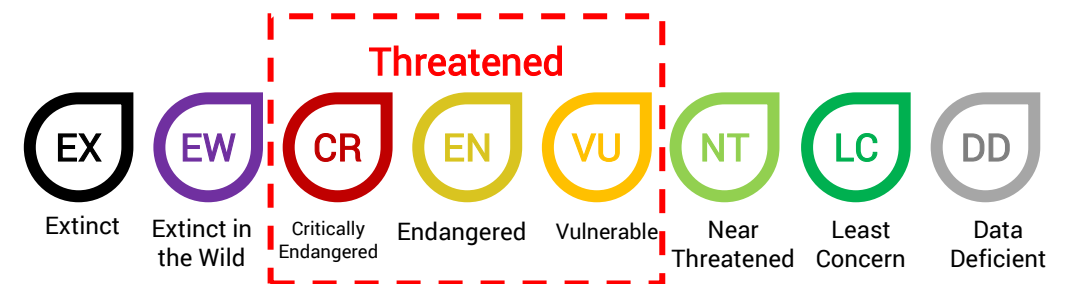
• Points
■ Polygons
BirdLife International (2021). World Database of Key Biodiversity Areas. Projection Robinson, Central Meridian 0 © UNEP-WCMC 2022



IUCN RED LIST OF SPECIES

- Established in 1964 by IUCN
- >157,190 species assessed as of April 2024
- 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

The screenshot shows the IUCN Red List website interface. At the top, there is a navigation bar with the IUCN logo and the text 'THE IUCN RED LIST OF THREATENED SPECIES'. Below this is a search bar with the placeholder text 'Names - common, scientific, regions etc...' and a search button. A grid of four species cards is displayed under the heading 'AMAZING SPECIES'. Each card features a photograph of the species, its name, scientific name, and conservation status. The species shown are: Wandering Albatross (Decreasing, VU), Freshwater Pearl Mussel (Decreasing, EN), *Astrophytum caput-medusae* (Decreasing, CR), and Molina's Hog-nosed Skunk (Decreasing, LC). Below the grid, there is a red banner with the text 'More than 44,000 species are threatened with extinction. That is still 28% of all assessed species.' Below the banner is a row of icons representing different taxonomic groups with their respective percentages: Amphibians (41%), Mammals (26%), Conifers (34%), Birds (12%), Sharks & Rays (37%), Reef Corals (36%), Selected Crustaceans (28%), Reptiles (21%), and Cycads (70%).



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

Regular 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

WHAT IS AVAILABLE THROUGH IBAT?

Download Data

FULL GLOBAL DOWNLOAD

As an enterprise or enterprise plus subscriber, you can download complete global spatial data sets in ESRI formats (for use with, for example, ESRI's suite of GIS applications):

World Database on Protected Areas	World Database of Key Biodiversity Areas	IUCN Red List Spatial Data	Species Threat and Restoration
<p>Apr 2024</p> <p>The World Database on Protected Areas (WDPA) is the most comprehensive global database on terrestrial and marine protected areas. It is a joint project between the United Nations Environment Programme (UNEP) and the International Union for Conservation of Nature (IUCN), managed by UNEP World Conservation Monitoring Centre (UNEP-WCMC). Data for the WDPA is collected from international convention secretariats, governments and collaborating NGOs. The WDPA uses the IUCN's definition of a protected area as the main criteria for entries to be included in the database.</p>	<p>Oct 2023</p> <p>The World Database of Key Biodiversity Areas is managed by BirdLife International on behalf of the KBA Partnership. It hosts data on global and regional Key Biodiversity Areas (KBAs), including Important Bird and Biodiversity Areas identified by the BirdLife International Partnership, Alliance for Zero Extinction sites, KBAs identified through hotspot ecosystem profiles supported by the Critical Ecosystem Partnership Fund, and a small number of other KBAs. The database was developed from the World Bird and Biodiversity Database (WBDB) managed by BirdLife International.</p>	<p>Jan 2024</p> <p>The IUCN Red List of Threatened Species contains global assessments for just over 157,190 species, of which about two-thirds have spatial data. This spatial data provided in this download is for comprehensively assessed taxonomic groups. It is important to note that some species such as those listed as Data Deficient are not mapped and subspecies are mapped within the parental species. The data is available as ESRI shapefiles format and contains the known range of each species. Ranges are depicted as polygons, except for the freshwater HydroSHED tables.</p>	<p>Sep 2021</p> <p>STAR uses ex from the IUCN complements threat abatement. This enables abatement opportunities risk. STAR score the relative probability of reducing species either threat activities.</p>
<p>View Fact Sheet</p> <p>File size ~ 1.3 GB</p> <p>Download</p>	<p>View Fact Sheet</p> <p>File size ~ 230 MB</p> <p>Download</p>	<p>View Fact Sheet</p> <p>File size ~ 7 GB</p> <p>Download</p>	<p>File size ~ 1.2 GB</p>

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

Freshwater Multi-site Proximity

PS6 & ESS6

Select Project

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

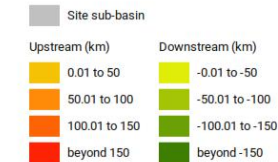
Define the upstream and downstream range for the report below.

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

Create Cancel

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 PS6 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

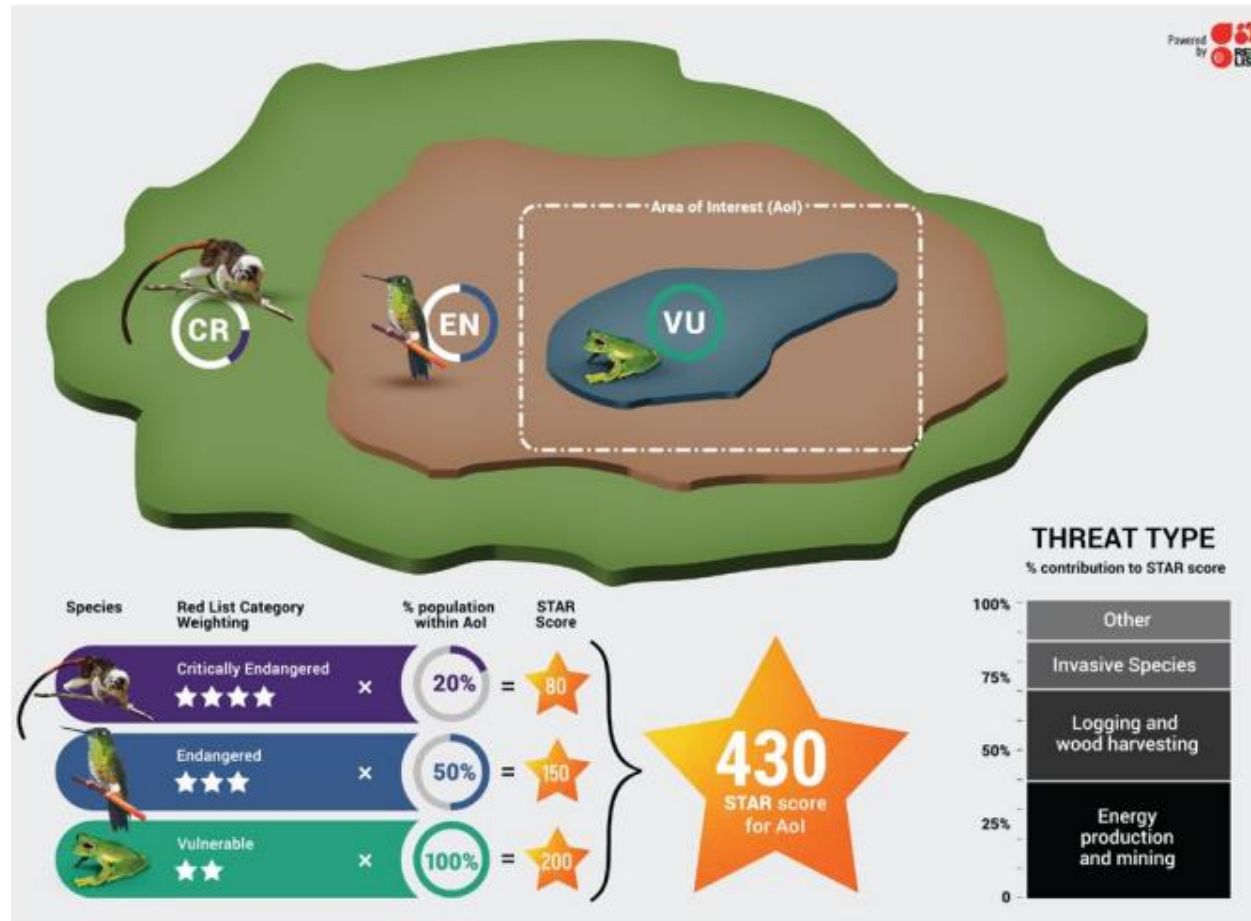


Displaying project location and buffers: 1 km, 10 km, 50 km

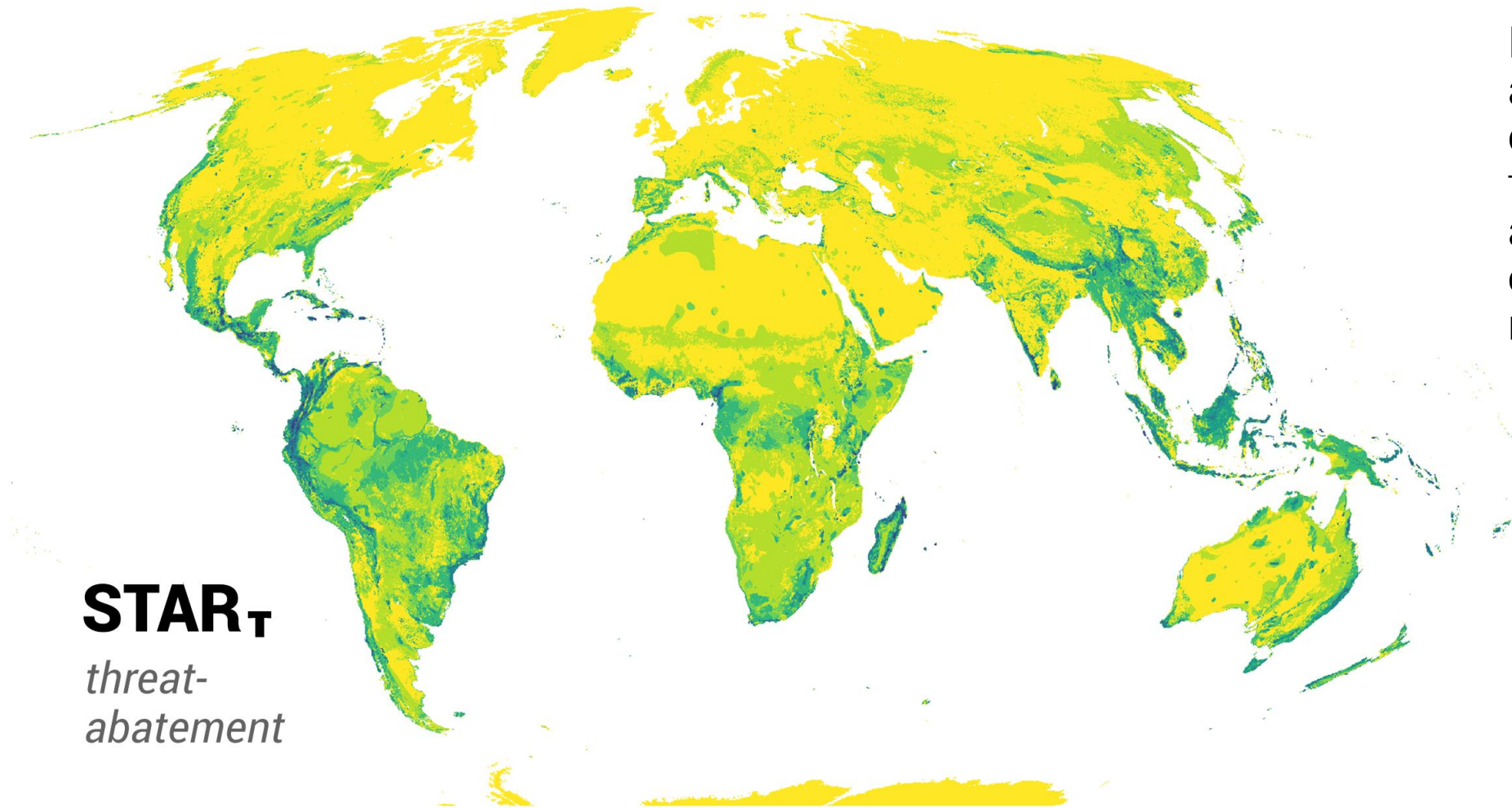


This report is based on IFC Performance Standard 6 (PS6) but applies to World Bank Environmental and Social Standard 6 (ESS6)

SPECIES THREAT ABATEMENT AND RESTORATION METRIC (STAR)



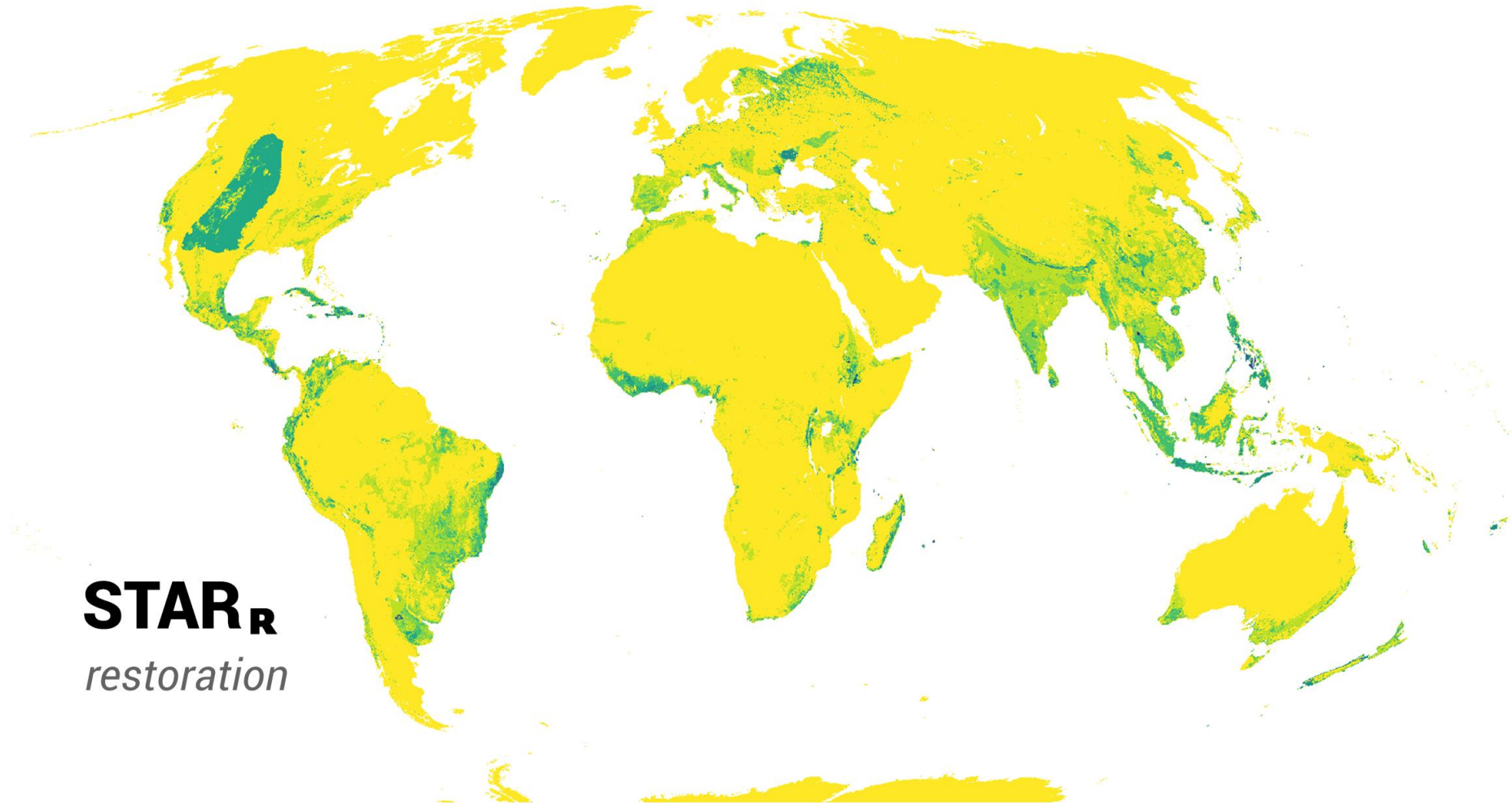
STAR THREAT ABATEMENT



STAR_T
threat-
abatement

High scores indicate areas that currently contain many threatened species and a large proportion of individual species' ranges

STAR RESTORATION



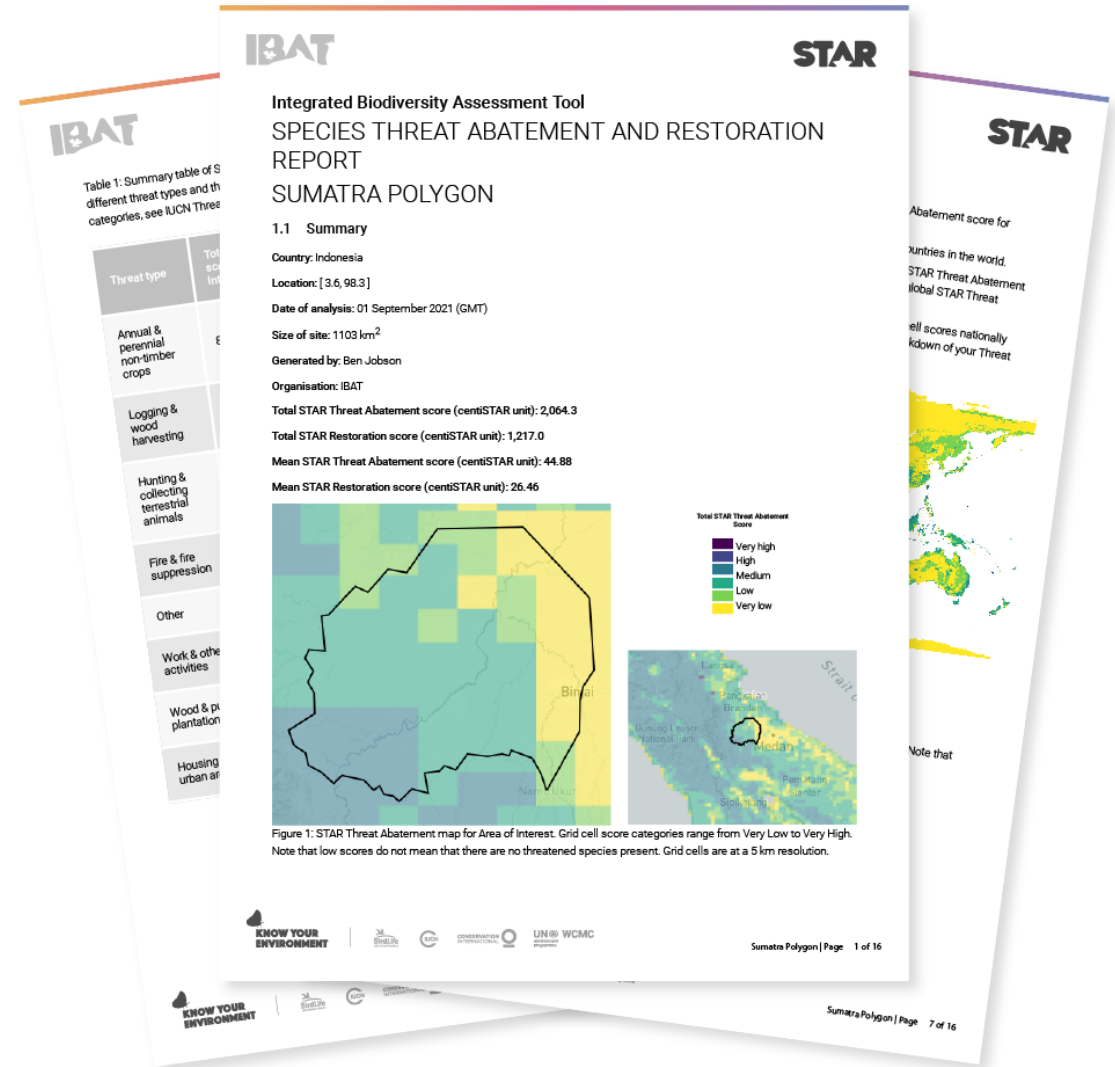
STAR_R
restoration

High scores indicate areas that previously supported high numbers of threatened species, a large proportion of individual species' ranges, and/or species that are severely threatened

IBAT REPORTS

STAR

- Define your Area of Interest (project site)
- IBAT generates bespoke STAR reports for your chosen location
- Reports provide a detailed breakdown of the STAR values, threats and their relative significance at national and global scales



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!



CONSERVATION
INTERNATIONAL



IUCN



UN
environment
programme

WCMC

Last data update

01/04/2024



295,521
Protected Areas



157,190
IUCN Red List
species



16,333
Key Biodiversity
Areas

Demo

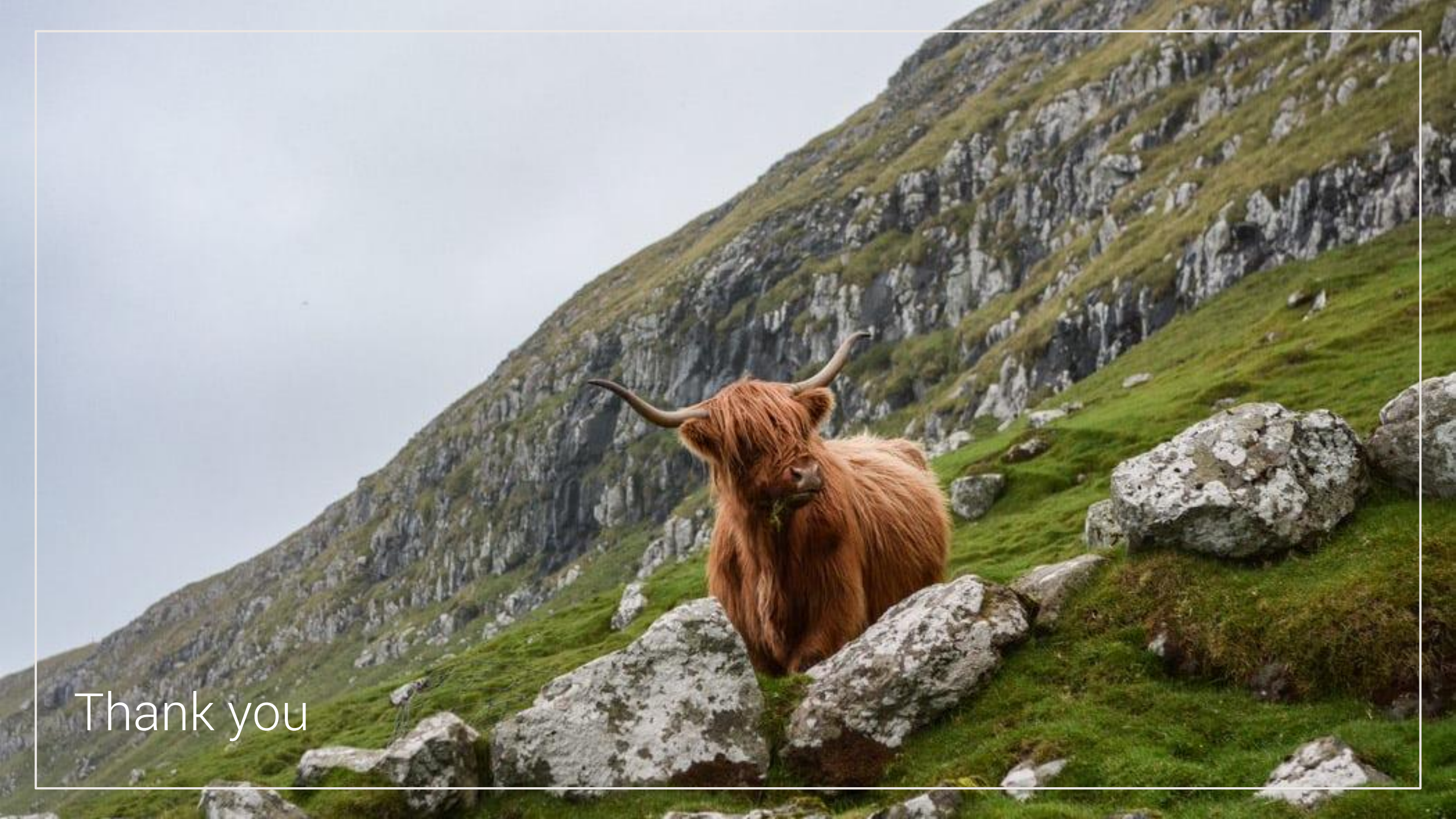
Bringing Data to Life

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
- How to access and interrogate key biodiversity datasets through the IBAT tool





Thank you

UN 
**environment
programme**

WCMC