



proteus

Introduction to Proteus and IBAT training

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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 a specific Proteus Partner company and may include material by the Partner 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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OVERVIEW

- Introduction to the Proteus Partnership
 - Overview of the Proteus Partnership and objectives
 - Introduction to tools and resources available under Proteus
- A look at biodiversity data through IBAT
 - Introduction to the Integrated Biodiversity Assessment Tool (IBAT)
 - Overview of functionalities (live demo)



OBJECTIVES

- At the end of the training you will be familiar with:
 - The Proteus Partnership, its objectives and what resources it makes available to you
 - How IBAT can be used as part of the biodiversity screening process
 - How you can access and begin to use IBAT





Introduction to the Proteus Partnership

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 company decision making 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 MEMBERS USE PROTEUS RESOURCES

Project level

- Portfolio analysis and reporting on global footprint
- Screening potential investments
- Project-level risk assessment and site selection
- Compliance with performance standards
- Early warning and emergency response
- Environmental Impact Assessments (EIAs)

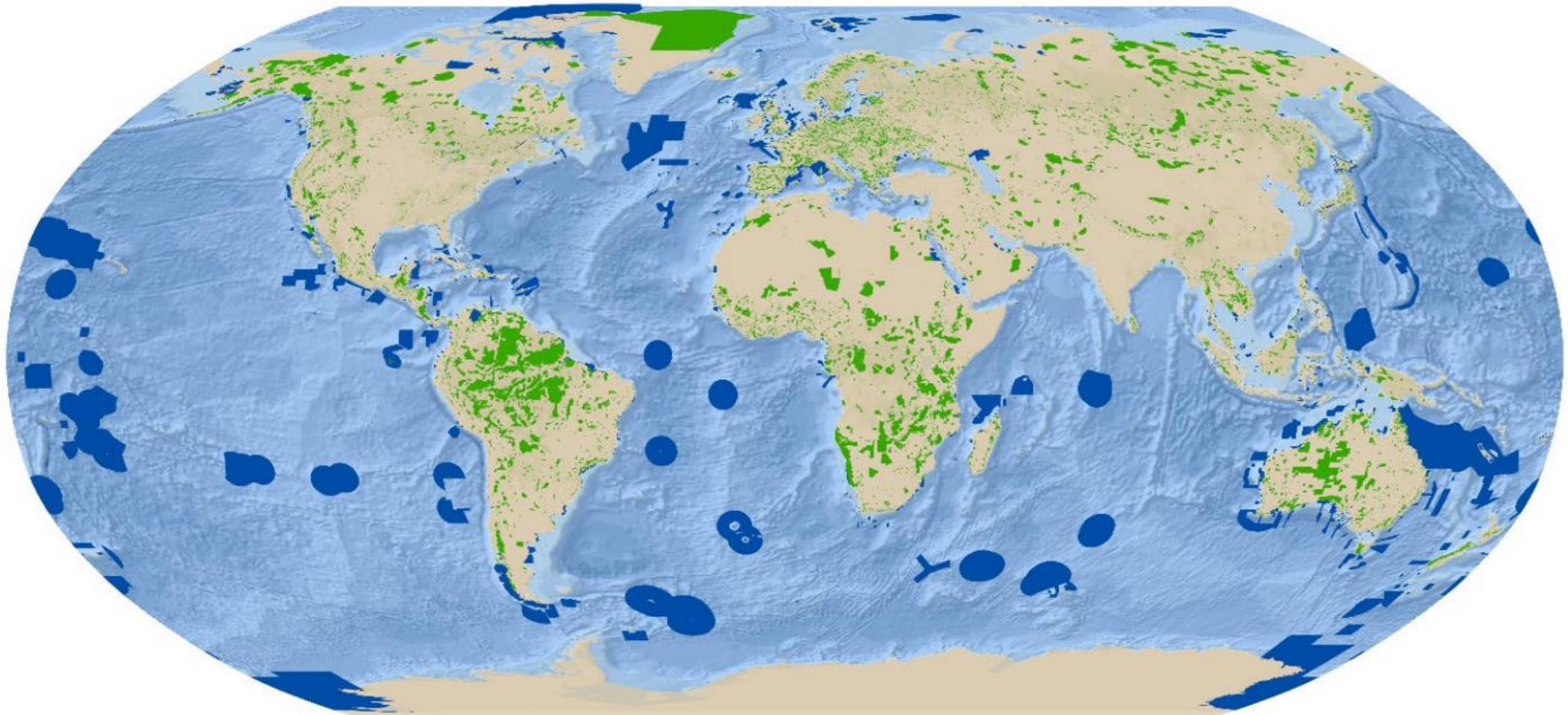
Policy level

- Biodiversity action planning
- Biodiversity offsetting
- Supply chain management
- Development of biodiversity management strategy



Tools and resources available through Proteus

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



WCMC

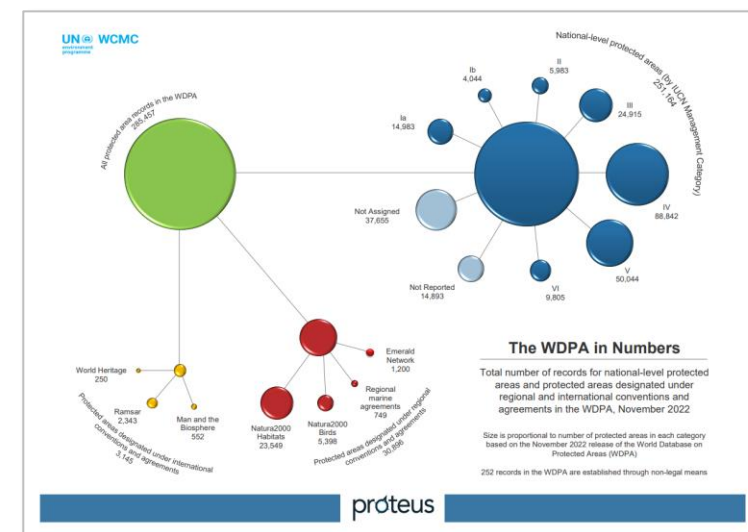
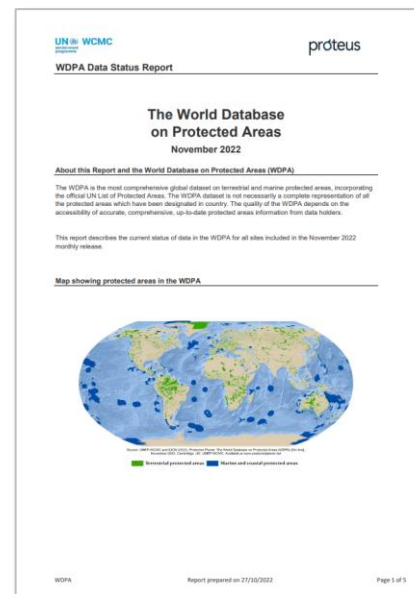
proteus

[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+ AND THE OCEAN DATA VIEWER

The screenshot displays the oceanplus.org website. The main header features the text: "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 describing the site's mission and the data it provides. The bottom of the page has four main sections: "Ocean+ Library", "Ocean+ Habitats", "protected planet", and "OCEAN DATA VIEWER".

Ocean+ Library
Ocean+ Library addresses this need for information by providing an overview of global marine and coastal datasets of biodiversity importance, including some datasets of regional interest.

Ocean+ Habitats
Ocean+ Habitats aims to improve access to marine habitat data and information through partnerships, and will be evolving to include regional and national information.

protected planet
Protected Planet – Marine presents the most recent official coverage statistics for marine protected areas, updated monthly from the World Database on Protected Areas.

OCEAN DATA VIEWER
The Ocean Data Viewer offers users the opportunity to view and download a range of spatial datasets that are useful for informing decisions regarding the conservation of marine and coastal biodiversity.

The interface also includes navigation links for "Global resources" and "Regional resources", a "Submit metadata" button, and a "Data limitations" section. A map of the world is visible on the right side, showing data distribution. Social media icons for Twitter, LinkedIn, Facebook, and Email are also present.

INTEGRATED BIODIVERSITY ASSESSMENT TOOL (IBAT)

The image displays the IBAT website interface, which is designed for biodiversity assessment. The main page features a scenic background of a mountain range and a lake, with the text "Integrated Biodiversity Assessment Tool" and "The world's most authoritative biodiversity data for your world-shaping decisions". A "Create account" button is visible. The website is part of the ibat-alliance.org domain.

Overlaid on the main page are three smaller screenshots showing the tool's interactive capabilities:

- Country Profiles:** A sidebar menu with options for "Settings" and "Help".
- Map Interface:** A map of Southeast Asia with various layers selected, including "Alliance for Zero Extinction Sites", "Important Bird and Biodiversity Areas", and "Protected Areas".
- Data Table:** A table listing Key Biodiversity Areas (KBAs) with columns for "List", "KBAs", and "Created".

List	KBAs	Created		
2392	5	19 Oct 2020		
1330	11	12 Oct 2020		
Ha Long Bay	15	2110	6	03 Apr 2020
Truong Sinh	15	1023	11	08 Aug 2020

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. A navigation menu with "ABOUT" and "BROWSE THEMES" is visible. The main content area features a large background image of colorful parrot feathers. Below this, the text "Concise and authoritative information about biodiversity" is displayed above a search bar and a dropdown menu labeled "All themes". A "Browse by theme:" section contains five circular icons: "ACRONYMS" (bird), "AREAS" (ant), "COUNTRIES" (globe), "MARINE" (fish), and "TERMS" (lizard). At the bottom, a dark blue footer contains the text "Definition: Biodiversity" and "Biodiversity", followed by a small paragraph defining biological diversity.

Samples

Proteus Partners have access to eight core deliverables



Horizon Scanning

Webinars sharing information and insights into the latest trends and developments in biodiversity an ...

[More info >](#)



Training

Partners gain access to a finite number of hours worth of bespoke virtual or in person training each ...

[More info >](#)



Priority Countries

The World Database on Protected Areas (WDPA) is the most comprehensive global dataset on terrestrial ...

[More info >](#)



IBAT

The Integrated Biodiversity Assessment Tool (IBAT) is a web-based tool that draws together core data ...

[More info >](#)



Ocean +

Ocean+ is comprised of Ocean+ Habitats, Ocean+ Library and the Ocean Data Viewer. Ocean+ Habitats al ...

[More info >](#)



Technical Briefs

Papers which support the application and interpretation of deliverables of Proteus, and better under ...

[More info >](#)



Data Forums

The Data Forums were created to provide an opportunity for direct communication between technical ex ...

[More info >](#)



Biodiversity A-Z

The Biodiversity A-Z is a web resource that provides clear, concise and relevant information about b ...

[More info >](#)


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

A close-up photograph of a frog, likely a tree frog, swimming in clear blue water. The frog's head is in the foreground, showing its large, prominent eyes and a small, slightly open mouth. The frog's body is dark and textured, with some lighter patches. The background is a soft, out-of-focus blue-green gradient.

Introduction to the Integrated Biodiversity Assessment
Tool (IBAT)

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
- A link between the private sector and biodiversity conservation.

IBAT DATASETS

The World Database on Protected Areas (Updated monthly)

The World Database of Key Biodiversity Areas (Updated 2 or 3 times a year)

The IUCN Red List of Threatened Species (Updated 2 or 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

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.

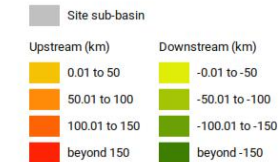
Define the upstream and downstream range for the report below.

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 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	Parent	Site Name	Site Type	Site ID	Site Description	Site Category	Site Status	Site Date	Site Area (km ²)	Site Country	Site Region	Site State	Site City	Site Zip	Site Contact	Site Email	Site Phone	Site Website	Site Notes
1	IBAT	Training Test 1	Protected Area	1	Training Test 1	Protected Area	Active	2023-01-01	0	USA	North America	California	San Francisco	94102	John Doe	john.doe@ibat.com	415-555-1234	www.ibat.com	Training Test 1
2	IBAT	Training Test 2	Protected Area	2	Training Test 2	Protected Area	Active	2023-01-01	0	USA	North America	California	San Francisco	94102	John Doe	john.doe@ibat.com	415-555-1234	www.ibat.com	Training Test 2

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

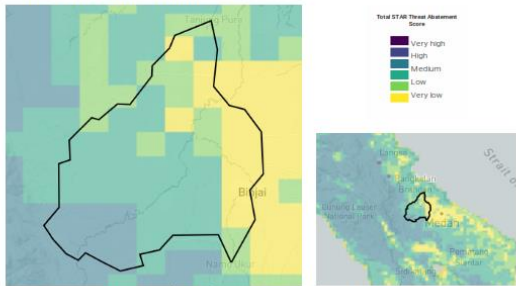
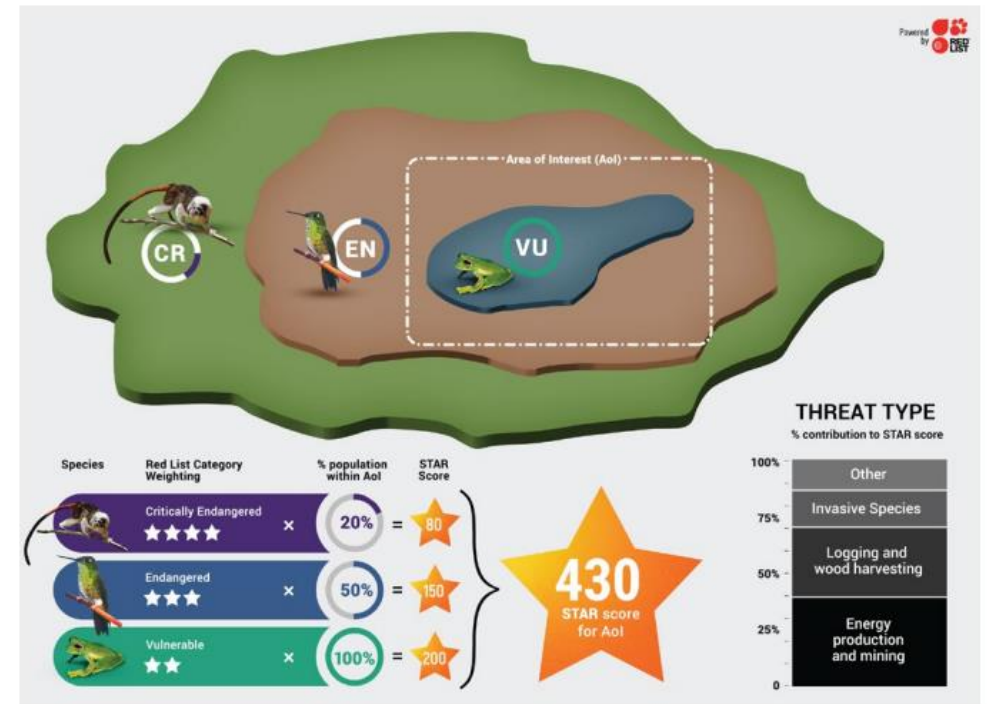
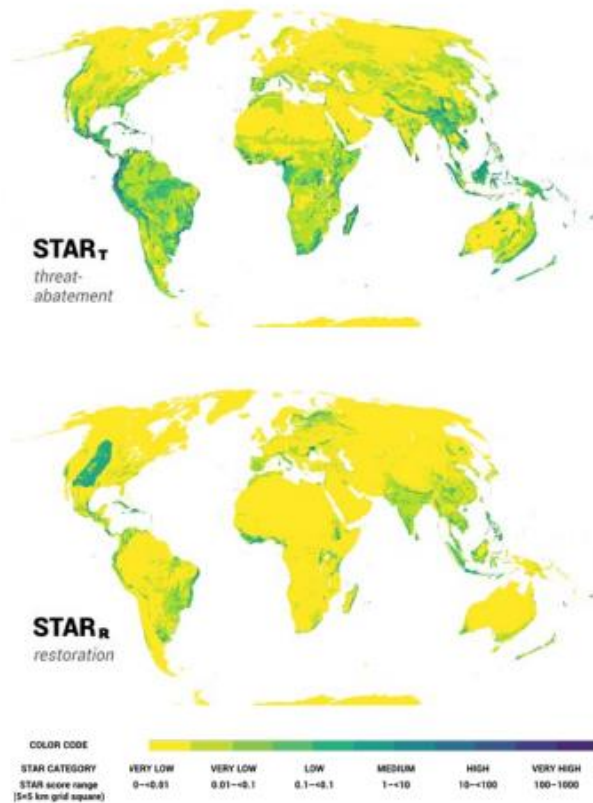


Figure 1: STAR Threat Abatement map for Area of Interest. Grid cell score categories range from Very Low to Very High. Note that low scores do not mean that there are no threatened species present. Grid cells are at a 5 km resolution.



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!



CONSERVATION
INTERNATIONAL



UN WCMC
environment
programme

Last data update

01/11/2022



Demo

Bringing Data to Life

Sample Reports

OBJECTIVES

- At the end of the training you will be familiar with:
 - The Proteus Partnership, its objectives and what resources it makes available to you
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Thank You

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