



proteus

The Integrated Biodiversity Assessment Tool (IBAT)

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OVERVIEW

- 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:
 - How IBAT can be used as part of the biodiversity screening process
 - How you can access and begin to use IBAT





Introduction to the Integrated Biodiversity Assessment Tool (IBAT)

WHAT IS IBAT?



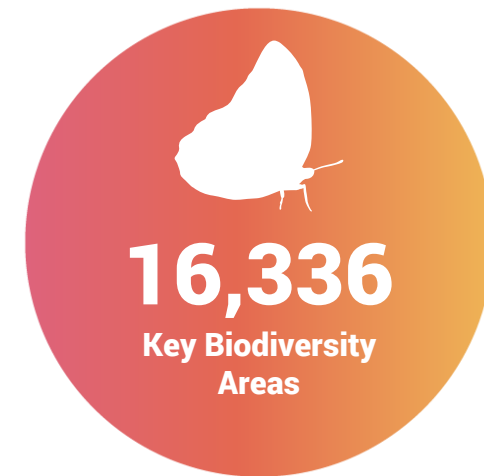
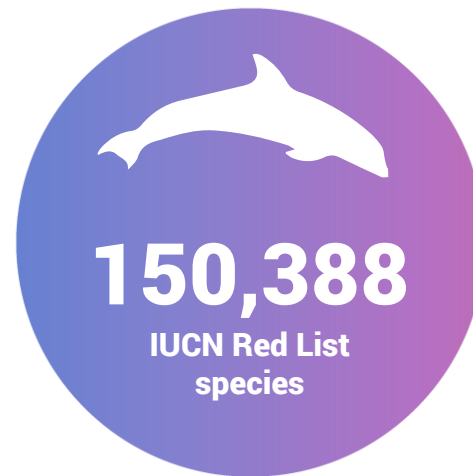
- A web-based map & reporting tool that provides fast, easy & integrated access to critical biodiversity information.
- An alliance between:
 -  CONSERVATION INTERNATIONAL
 -  IUCN
 -  BirdLife INTERNATIONAL
 -  Partnership for nature and people
 -  UN environment programme
 -  WCMC
- The source of the most globally authoritative biodiversity data:
 - The World Database on Protected Areas (WDPA)
 - 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.

IBAT DATASETS

The World Database on Protected Areas (Updated monthly)

The World Database of Key Biodiversity Areas (Updated at least 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

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

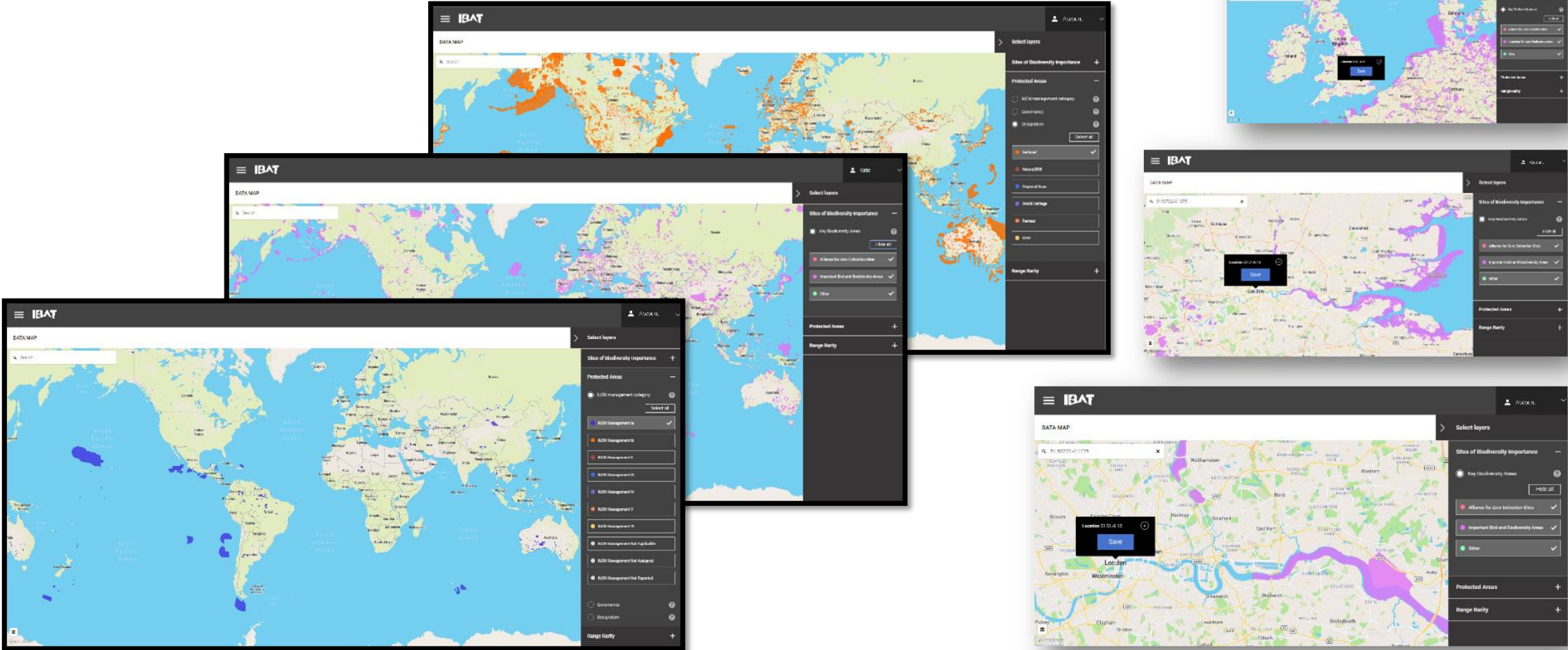
- Protected Areas
- Key Biodiversity Areas
- Red List of Species data

Committed to continuous improvement and user support

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

WHAT IS AVAILABLE THROUGH IBAT?

View Data Map



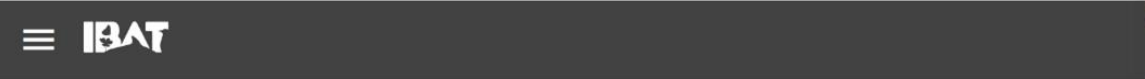
WHAT IS AVAILABLE THROUGH IBAT?

Create and save sites

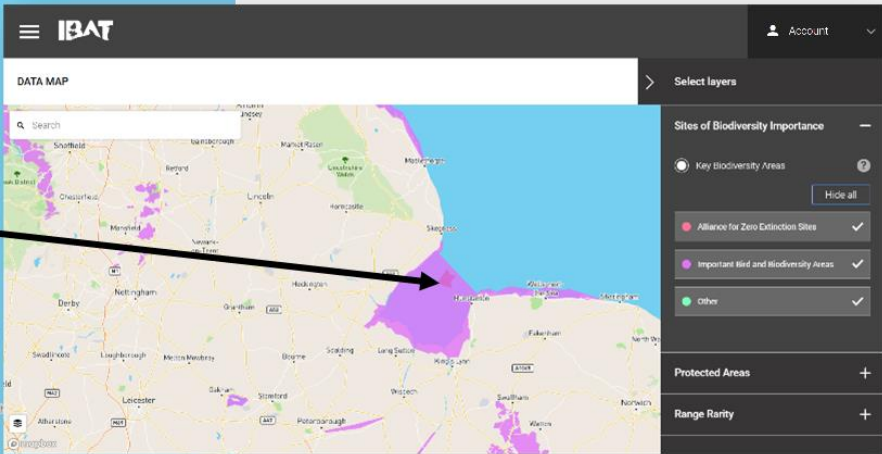
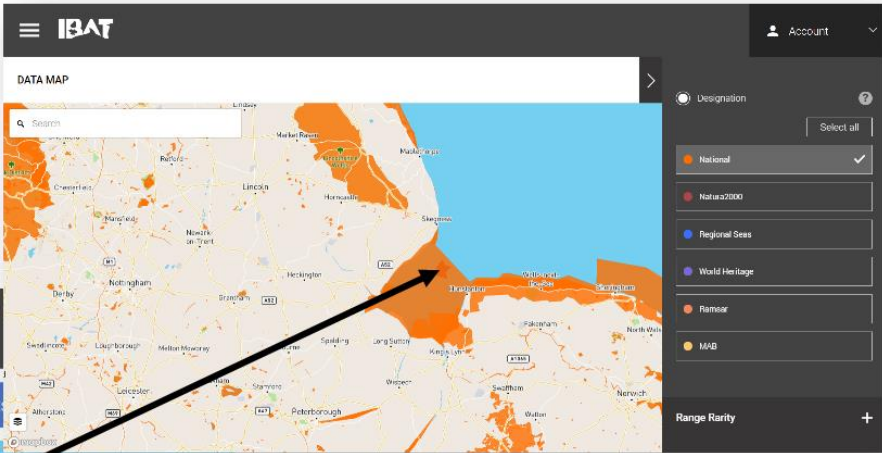
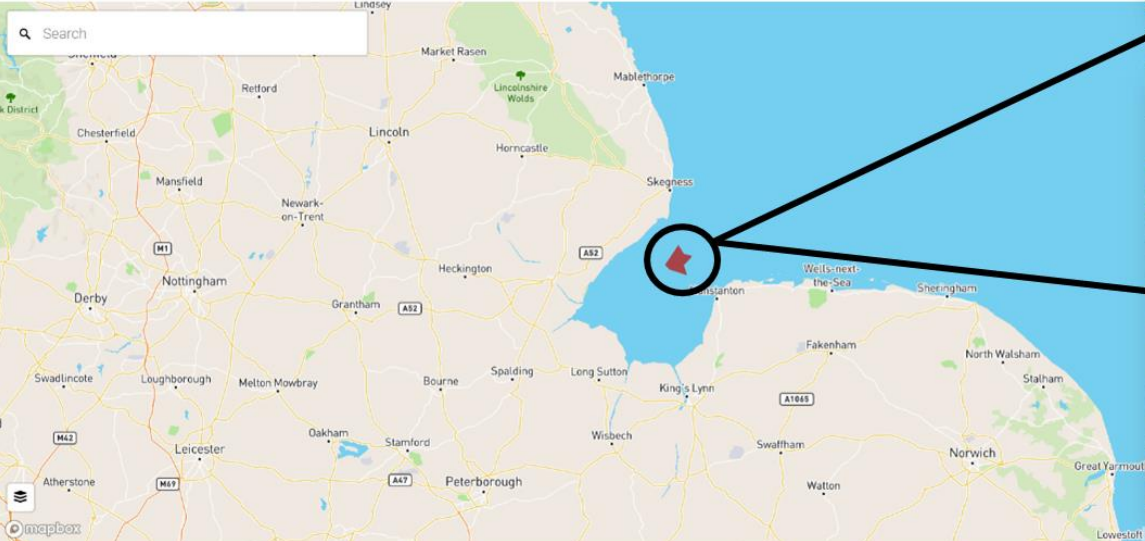
The image displays three overlapping screenshots of the IBAT web application interface, illustrating the process of creating and saving sites. The top screenshot shows a mobile navigation menu with the IBAT logo and an 'Account' dropdown. Below the menu is a 'Back' button and the site identifier 'TEST_MAR_19_3'. The middle screenshot shows a similar interface for 'TEST_MAR_19', featuring a sidebar with site details: 'Location: 53, 0.4', 'Size of site: 16 km²', 'Date created: 2019-03-14', and 'Created by:'. A blue button labeled 'Create New Report' and a dropdown menu for 'Project reports' are also visible. The bottom screenshot shows a map view of the site location, with a green dot marking the site's position on a map of the Hunstanton area. The map includes labels for 'Skegness', 'Wainfleet All Saints', 'Hunstanton', and 'Wells-next-the-Sea'. The interface elements are consistent across all screenshots, including the IBAT logo, navigation menu, and account options.

WHAT IS AVAILABLE THROUGH IBAT?

View Sites



DATA MAP



WHAT IS AVAILABLE THROUGH IBAT?

Create projects/Add assets

The screenshot shows the IBAT dashboard interface. At the top left is the IBAT logo. At the top right, it says 'UNEP-WCMC' and 'Account'. Below the header, there are navigation tabs for 'PERSONAL' and 'ORGANISATION'. The main dashboard area contains several widgets:

- Projects:** A widget showing 31 projects, highlighted with a red box.
- Reports:** A widget showing 17 reports.
- GIS downloads:** A widget showing 3 downloads.
- Data map:** A widget with a world map icon.
- Country Profiles:** A widget with a map of South America icon.
- Settings and Help:** Two small utility widgets.

Below these are two larger charts:

- Projects in last year:** A bar chart showing the number of projects per month from Nov to Oct. The y-axis ranges from 0 to 6. The bars show 3 projects in Nov, 1 in Dec, 1 in Mar, 6 in Apr, and 2 in Oct.
- Reports by type:** A donut chart showing the distribution of reports by type: Proximity (orange), PS6 & ESS6 (blue), Multi-site (green), and Freshwater (purple).

At the bottom left, there is a treemap visualization titled '31 projects in 24 countries' showing a hierarchical breakdown of projects across different categories.

At the bottom right, there is a table titled 'Recent Projects' with the following data:

Recent Projects	PAs	Red List	KBAs	Created
	17	2392	5	19 Oct 2020
	104	1330	11	12 Oct 2020
	15	2110	6	03 Apr 2020
	45	1022	11	02 Apr 2020

WHAT IS AVAILABLE THROUGH IBAT?

Create reports

The screenshot shows the IBAT dashboard interface. At the top left is the IBAT logo. At the top right, it says 'UNEP-WCMC' and 'Account'. Below the header, there are tabs for 'PERSONAL' and 'ORGANISATION'. The main content area includes several widgets:

- Reporting Summary:** A row of four cards showing 'Projects: 31', 'Reports: 17' (highlighted with a red box), 'GIS downloads: 3', and 'Data map'. There are also links for 'Country Profiles', 'Settings', and 'Help'.
- Projects in last year:** A bar chart showing the number of projects per month from Nov to Oct. The y-axis ranges from 0 to 6. Data points: Nov (3), Dec (1), Jan (0), Feb (0), Mar (1), Apr (6), May (0), Jun (0), Jul (0), Aug (0), Sep (0), Oct (2).
- Reports by type:** A donut chart showing the distribution of reports. Categories include Multi-site, Freshwater, PS6 & ESS6, and Proximity.
- 31 projects in 24 countries:** A treemap visualization showing the distribution of projects across different categories.
- Recent Projects Table:**

Recent Projects	PAs	Red List	KBAs	Created
	17	2392	5	19 Oct 2020 >
	104	1330	11	12 Oct 2020 >
	15	2110	6	03 Apr 2020 >
	45	1022	11	02 Apr 2020 >

WHAT IS AVAILABLE THROUGH IBAT?

Download data

The screenshot shows the IBAT dashboard interface. At the top, there is a navigation bar with the IBAT logo on the left, 'UNEP-WCMC' in the center, and 'Account' on the right. Below the navigation bar, the dashboard is divided into several sections:

- Summary Cards:** Three cards at the top left show 'Projects' (31), 'Reports' (17), and 'GIS downloads' (3). The 'GIS downloads' card is highlighted with a red border.
- Navigation:** A row of buttons includes 'Data map', 'Country Profiles', 'Settings', and 'Help'.
- Charts:**
 - Projects in last year:** A bar chart showing the number of projects per month from November to October. The highest number of projects (6) occurred in April.
 - Reports by type:** A donut chart showing the distribution of reports. The largest category is 'Proximity' (orange), followed by 'PS6 & ESS6' (blue), 'Multi-site' (green), and 'Freshwater' (purple).
- 31 projects in 24 countries:** A treemap visualization showing the distribution of 31 projects across 24 countries.
- Recent Projects Table:** A table listing recent projects with columns for 'Recent Projects', 'PAs', 'Red List', 'KBAs', and 'Created'.

Recent Projects	PAs	Red List	KBAs	Created
	17	2392	5	19 Oct 2020
	104	1330	11	12 Oct 2020
	15	2110	6	03 Apr 2020
	45	1022	11	02 Apr 2020

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
01/10/2021



Demo

Bringing Data to Life

[Sample Reports](#)

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 Reports

- 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.

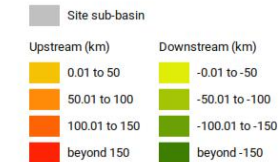
Define the upstream and downstream range for the report below.

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.
- Biodiversity features likely to trigger Critical Habitat
 - Protected Areas
 - Key Biodiversity Areas
 - IUCN Red List

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

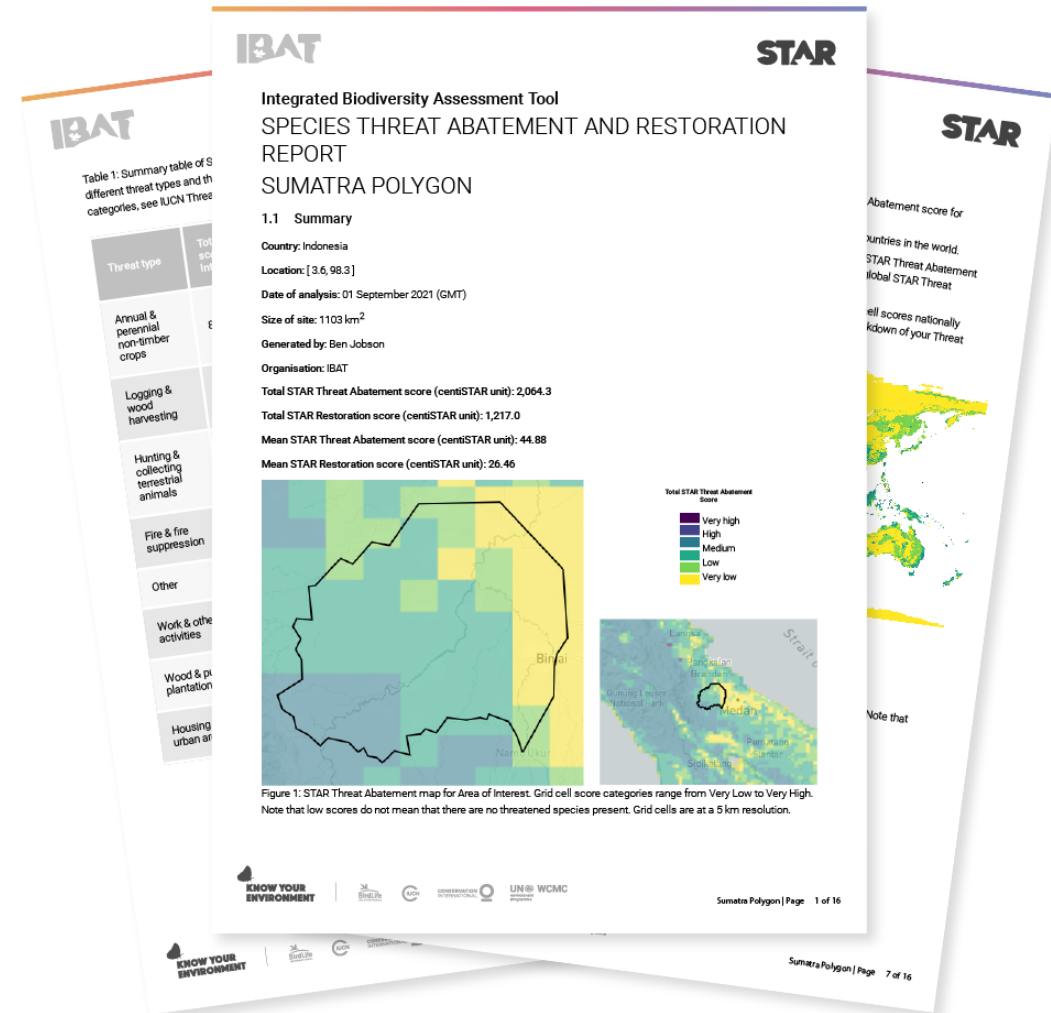


This report is based on IFC Performance Standard 6 (PS6) but applies to World Bank Environmental and Social Standard 6 (ESS6)

IBAT REPORTS

STAR Report

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



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

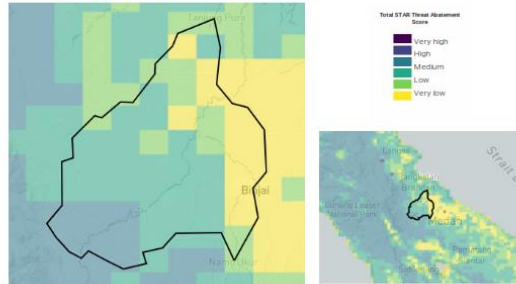
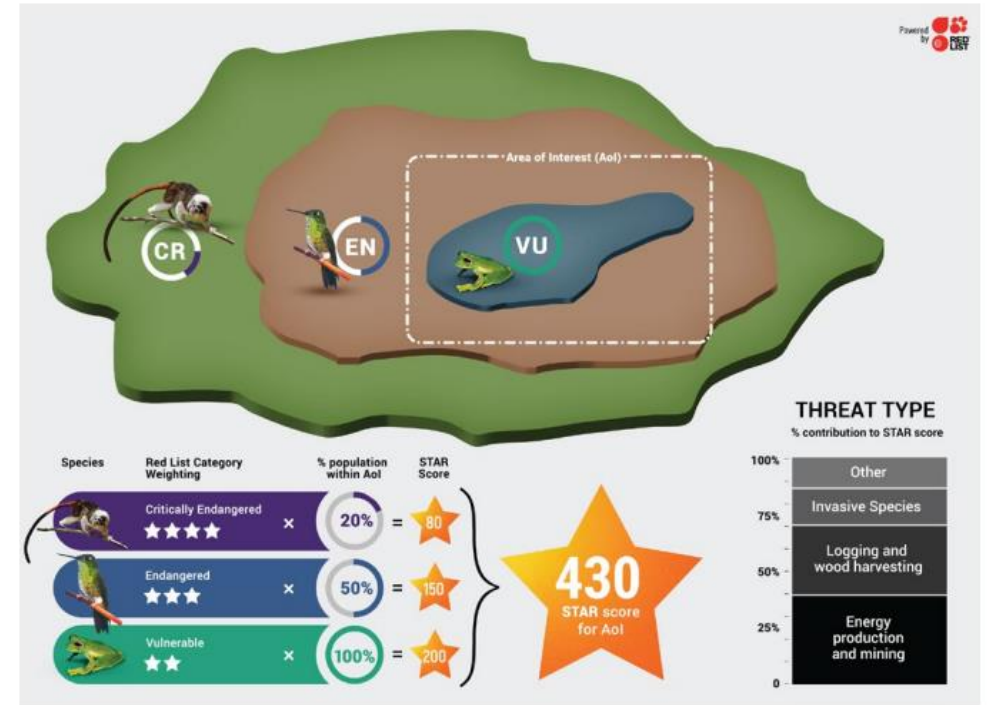
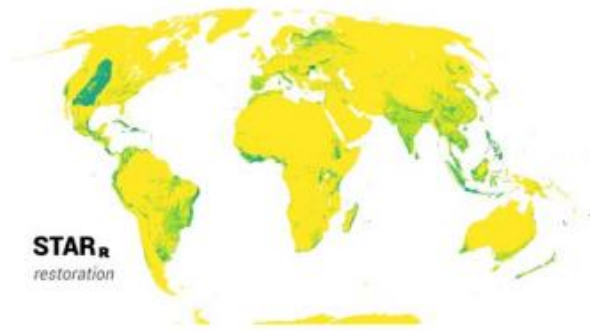
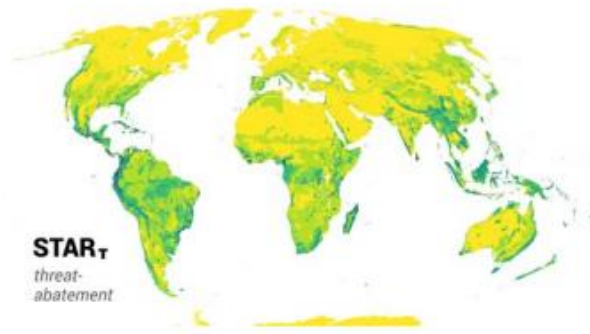


Figure 1: STAR Threat Abatement map for Area of Interest. Grid cell score categories range from Very Low to Very High. Note that low scores do not mean that there are no threatened species present. Grid cells are at a 5 km resolution.





Thank you

UN 
**environment
programme**

WCMC