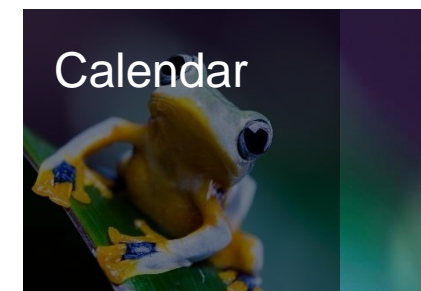
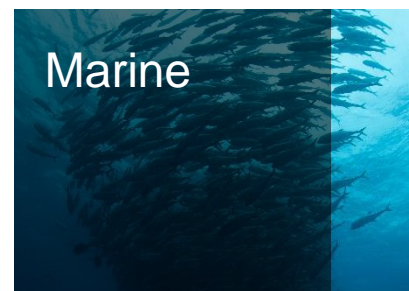
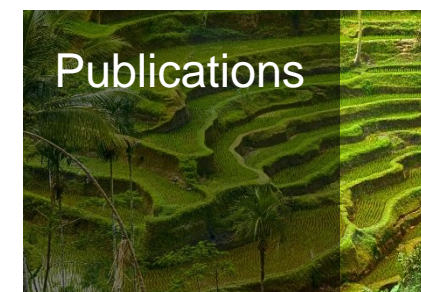
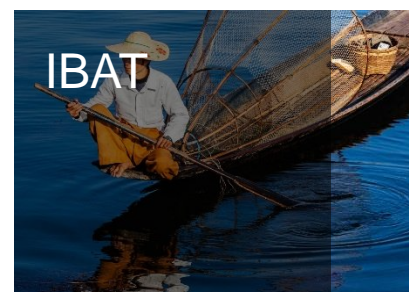
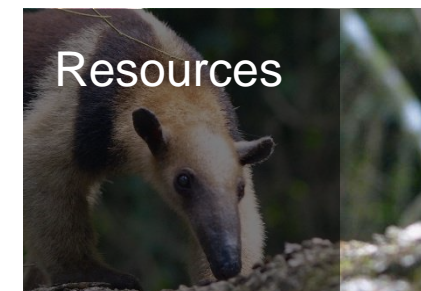
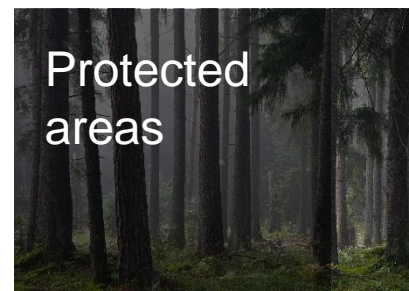
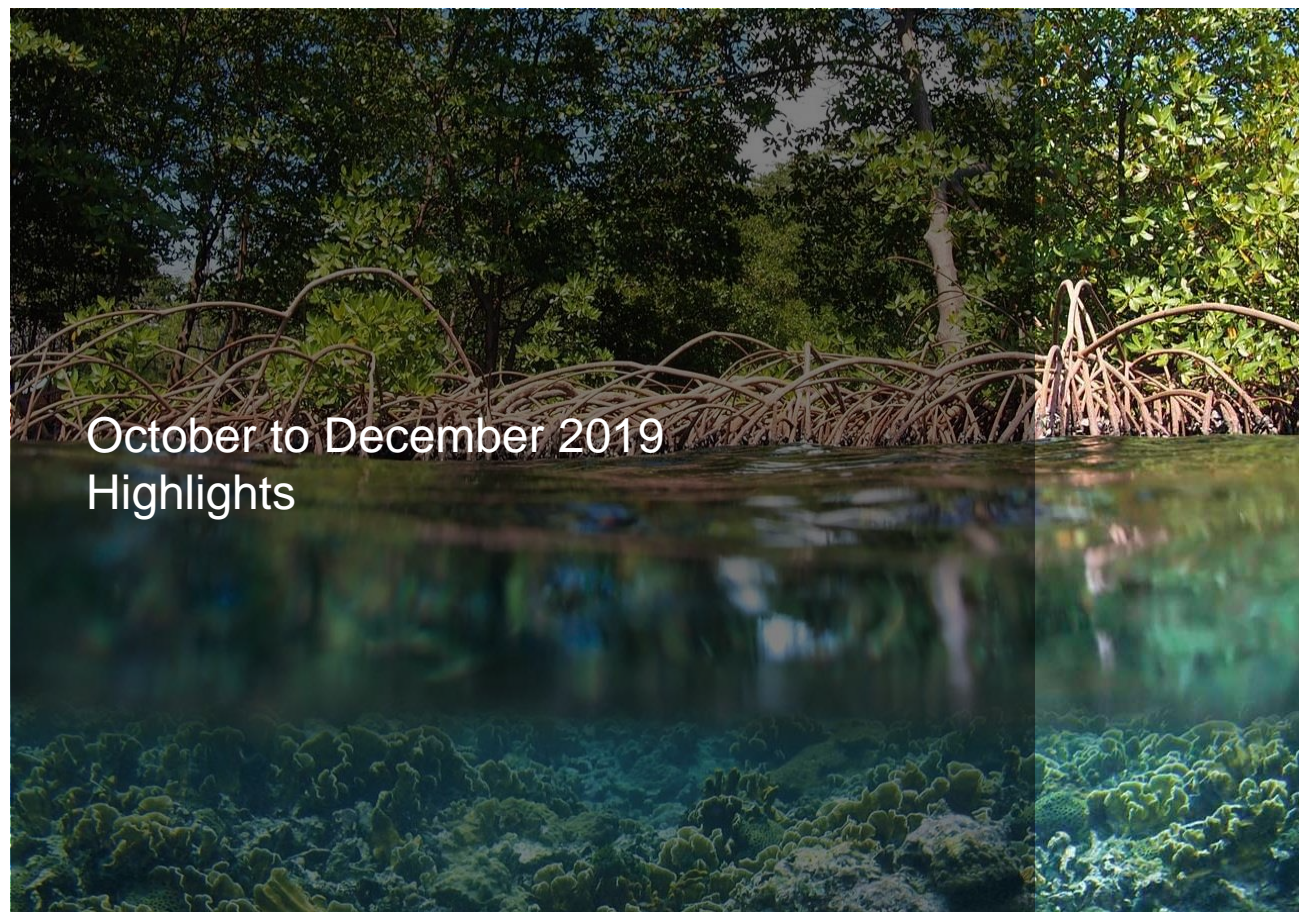


# Proteus Quarterly Update



# Highlights

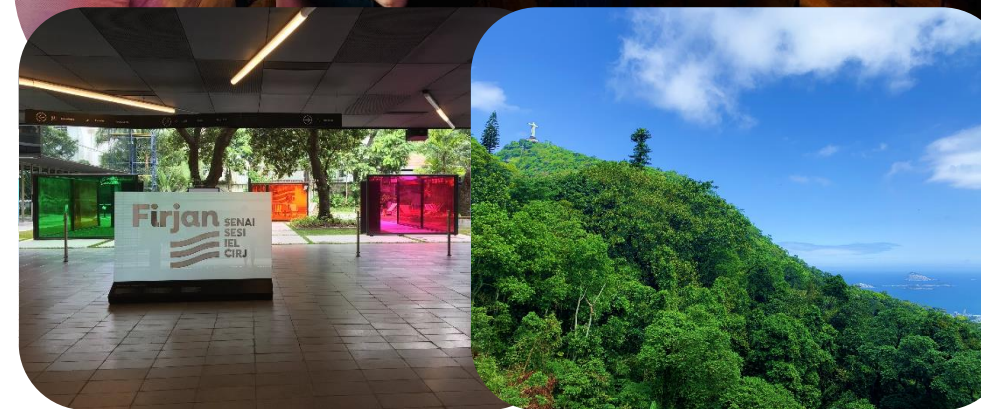
## Aligning Biodiversity Measures for Business

### Workshop 2: Rio de Janeiro, Brazil on 29-31 October 2019

- **Substantial progress** made in identifying common ground among measurement approaches.
- More than 55 participants on Day 1 (with >40% **representing business**) and ~30 remote participants. Four Proteus Partner companies were represented.
- Participants engaged in **technical discussions** on business **applications** and targets, mapping **datasets/metrics** and common ground **disclosure** principles for the various measurement tools available.

Contact: [Julie Dimitrijevic](#)

Oct to  
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2019



Images from the 3-day workshop held in Rio de Janeiro, Brazil

Proteus co-financed



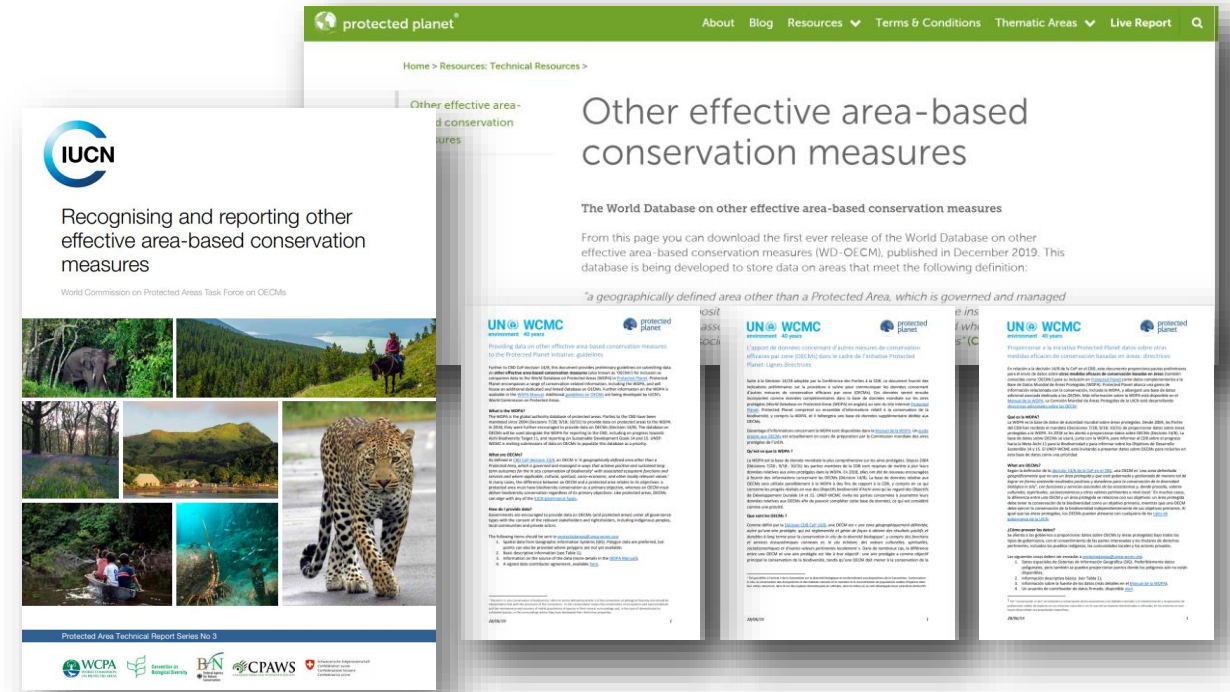
# Highlights

## World Database on other effective area-based conservation measures

The first World Database on other effective area-based conservation measures ([WD-OECM](#)) is now available

- This dataset can be combined with the WDPA to reveal a more comprehensive picture of the world's conservation network.
- Guidance on providing OECM data is currently available in [English](#), [French](#) and [Spanish](#).
- The [latest guidance for recognising and reporting on OECMs](#) was released by the World Commission on Protected Areas task force at the end of November 2019.

Contact: [Sebastian Bekker](#)  
Access: [here](#)



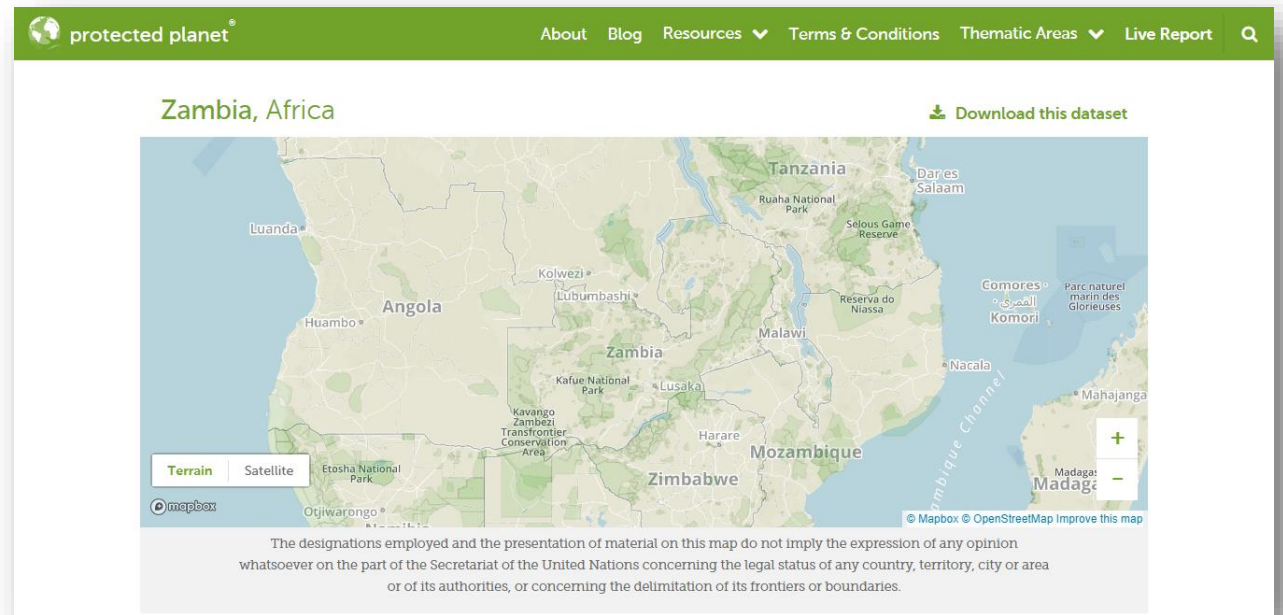
# Highlights

## Zambia: New updates in the World Database on Protected Areas (WDPA)

The WDPA records for Zambia have recently been updated for the first time since 2003

- This is the first update for Zambia since 2003 and is a direct result of the Proteus priority country nominations process.
- Information was received from the Department of National Parks and Wildlife.
- As a result of the information received, 50 sites have been updated, eight have been added and two have been removed.
- This is a partial update, a further update is sought for bird sanctuaries.

Contact: [Jonty Knox](#)



# Highlights

## New multi-site report in the Integrated Biodiversity Assessment Tool (IBAT)

Additional functionality in IBAT to screen multiple sites.

- A new multi-site report was launched in IBAT in October 2019.
- Developed with a view to aligning with the Global Reporting Initiative (GRI) sustainability reporting standards.
- Allows for multiple sites to be screened and the results presented in a single report.
- Can be used with the 'add multiple projects' function to upload multiple sites using a csv file.

Contact: [Jonty Knox](#)  
Access: [here](#)

The image shows two screenshots from the IBAT tool. The left screenshot is the 'Create Report' form, which includes options for 'Select Report Type' (Proximity, PS6 & ESS6, Freshwater, Multi-site), a 'Report Name' field, a 'Select Sites' dropdown, and an 'Input Buffer' field (Maximum 50 km, currently set to 1.00). The right screenshot is a 'Multi-site Report' titled 'Overlap with protected areas and Key Biodiversity Areas (KBAs)'. It features two pie charts: '% Summary of protected areas overlap' (7 sites within 1.0 km, 3 sites not within 1.0 km) and '% Summary of KBAs overlap' (2 sites within 1.0 km, 8 sites not within 1.0 km). Below the charts is a table for 'IUCN Red List of Threatened Species' with columns for Site, CR, EN, VU, and TOTAL.

Site	CR	EN	VU	TOTAL
TEST_MAR_19	7	9	47	63
TEST_MAR_19,1	7	9	54	70
TEST_MAR_19,2	6	9	45	60
TEST_MAR_19,3	7	9	46	62
TEST_MAR_19,4	6	6	42	54



# Highlights

Oct to  
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## The Post-2020 Global Biodiversity Framework Meetings

### Thematic Workshop on Area-based Conservation Measures (1-3 December)

In early December, experts and representatives of the Parties to the Convention on Biological Diversity met in Canada to discuss area-based conservation measures in the context of developing the post-2020 global biodiversity framework. The workshop was one of a series of events to gather input for the framework. It covered the outcomes of previous thematic workshops; the current state of area-based conservation measures and lessons learned; goals and targets; and the need for effective indicators.

### Thematic Workshop on Marine and Coastal Biodiversity (13-15 November 2019)

This workshop brought together decision-makers and experts from around the world to discuss the post-2020 global biodiversity framework, with calls for realistic targets and milestones to reach the [2050 Vision](#). Relevant recommendations included: strengthening engagement within the private sector; moving toward '100% sustainably managed' as an area-based target; a climate-resilient approach to ecosystem restoration (prioritizing avoidance and minimization); and a need to strengthen baseline monitoring based on knowledge required to meet targets.

Proteus co-financed



# Highlights

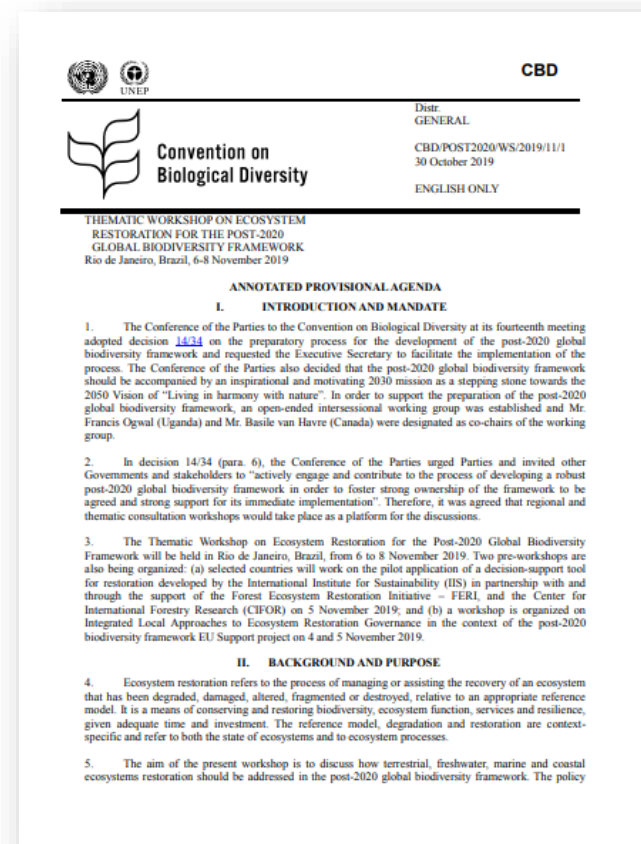
Oct to  
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2019

## The Post-2020 Global Biodiversity Framework Meetings

Thematic Consultation on Ecosystem Restoration (6-8 November 2019)

Convention on Biological Diversity country focal points and experts met in Brazil to discuss the role of ecosystem restoration in the post-2020 global biodiversity framework. Much of the discussion focused on potential targets on restoration for the 2021-2030 period (e.g. outcome-based; and separating restoration of production lands from restoration of natural ecosystems), ensuring that restoration is additional to (rather than instead of) conservation of existing habitat. The role of restoration in contributing to climate change mitigation and adaptation was also recognised.

Contact: [Katie Dawkins](#)



# Protected Areas

## World Database on Protected Areas (WDPA)

### Updates to the most comprehensive global database on terrestrial and marine protected areas

In addition to the update to Zamia's records (see [Highlights](#)), several other data updates have been made to the WDPA, including:

- **Niue:** A complete update of Niue's protected area network. This update was facilitated by the Secretariat for the Pacific Regional Environment Programme, supported by the BIOPAMA programme.
- **Papua New Guinea:** This update represents the first full dataset verified by the national government, resulting in six new sites, the removal of nine sites and 45 sites being updated/verified. Data for sites not updated in >10 years have now been reviewed and edited. The update was facilitated by The Nature Conservancy and the Secretariat for the Pacific Regional Environment Programme, supported by the BIOPAMA programme.

Number of countries updated	38
Net increase in records	52
Percent of records updated or validated	2%

Contact: [Sebastian Bekker](#)



# Integrated Biodiversity Assessment Tool (IBAT)

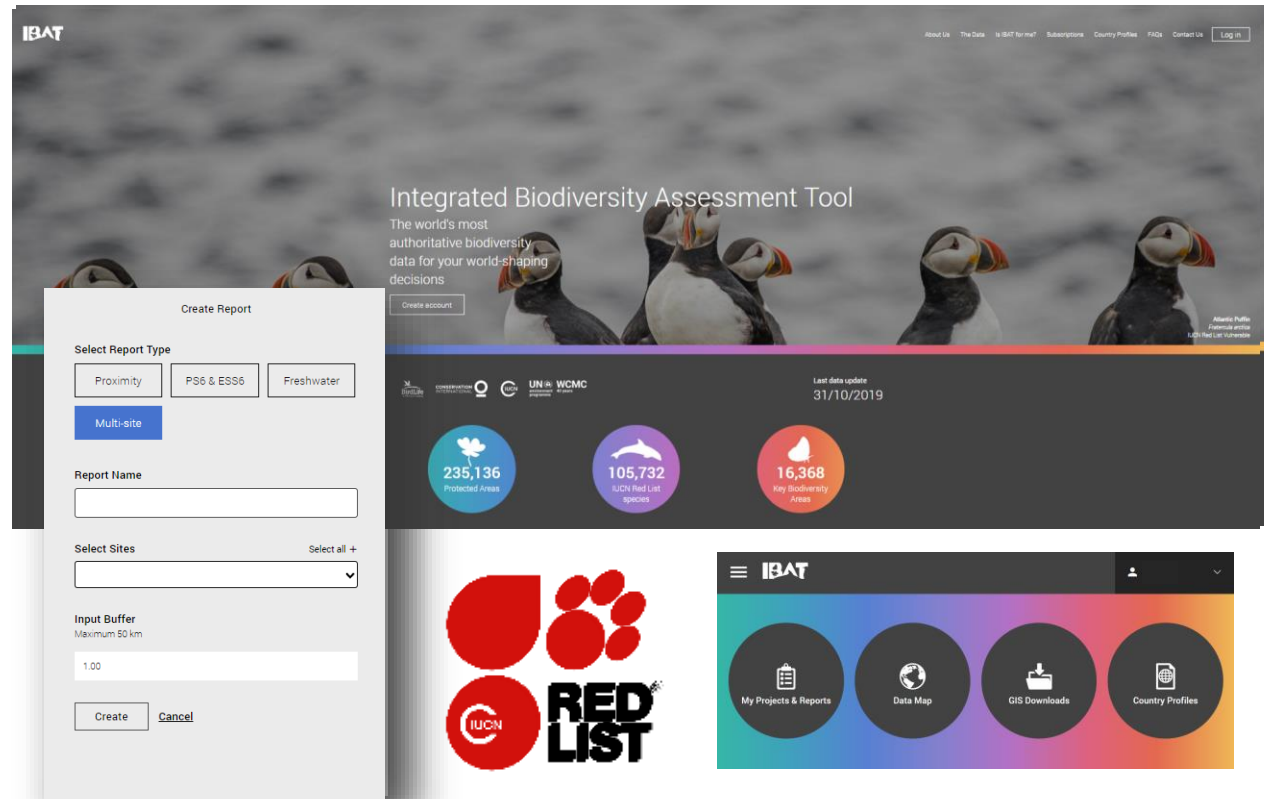
## IBAT 3.0

Updates and enhancements to IBAT in the past few months include:

- Release of multi-site report function (see [Highlights](#)).
- New data update for the IUCN Red List of Threatened Species.
- Webinar on the IUCN Red List of Threatened Species held on Thursday 12<sup>th</sup> December.
- 'Country' added as an attribute to sites.

Access: [here](#)

Contact: [Jonty Knox](#)



# Ocean+

## New data and resources

- Advancing national and regional pages as part of the redesign of Ocean+ Habitats (see right).
- Updating state of knowledge on known habitat presence and absence by country.
- Collaborating with the IOC-UNESCO Global Ocean Observing System (GOOS) network to advance habitat-related Essential Ocean Variables.
- Ensuring agreement on data standards by engaging with external networks, including Global Mangrove Alliance and International Seagrass Experts Network (ISEN).

Contact: [Lauren Weatherdon](#)

Oct to Dec 2019

Habitats present in: Wider Caribbean

Confirmed Presence  
Warm-water Coral

Confirmed Presence  
Saltmarsh

Confirmed Presence  
Mangrove

Confirmed Presence  
Seagrass

Confirmed Presence  
Cold-water Coral

Warm-water coral  
150,051.292 km<sup>2</sup> warm water coral  
40.36% Percentage of warm water coral that occur within a marine protected area

Saltmarshes  
54,661.96 km<sup>2</sup> Saltmarshes  
42.54% Percentage of saltmarsh that occur within a marine protected area

Mangrove  
136,694.73 km<sup>2</sup> Mangrove

Examples of species and their status for habitat: Seagrass

Examples of most common species

	Manatee grass <i>Syringodium filiforme</i> LC IUCN Species page		Johnson's Seagrass <i>Halophila johnsonii</i> LC IUCN Species page
--	--	--	---

Examples of threatened species

	Halophila engelmanni <i>Halophila engelmanni</i> NT IUCN Species page		Halophila baillonii <i>Halophila baillonii</i> VU IUCN Species page
--	--	--	--

National and regional pages are being developed for **Ocean+ Habitats**, to provide up-to-date spatial data and statistics.



## Identifying new data sources

Working to identify and negotiate access to a range of potential future datasets for Proteus Partners, such as:

- Migratory species data for priority regions through the [Migratory Connectivity in the Ocean \(MiCO\)](#) project
- [Important Marine Mammal Areas \(IMMAs\)](#)
- [Ecologically or Biologically Significant Marine Areas \(EBSAs\)](#)
- Updated Global Islands Database, in collaboration with ESRI, USGS and partners

Contact: [Lauren Weatherdon](#)

Region/country	Description	Status
Europe	Regional data on seagrasses, cold-water corals, and macro algae	Under review by UNEP-WCMC
United Arab Emirates	High-resolution seagrass, saltmarsh, and coral reef data	Under review by UNEP-WCMC
Kenya	Partial update with new seagrass and coral reef data	Under review by UNEP-WCMC
Myanmar	Coral reef, seagrass and mangrove data	Ongoing negotiation for access
Global	Sourcing new habitat data (seagrasses, mangroves, corals)	Review of available sources, in collaboration with partners

# Resources

## Biodiversity A-Z Website

The Terms section has been comprehensively reviewed and updated

- New terms have been added to the Biodiversity A-Z website, including 'Circular economy' and 'Rewilding'.
- Updates to existing terms: Over 50 terms have been updated to remain relevant and take into account recent developments.
- Review and verification: A further >150 terms have been reviewed to ensure that they remain accurate and up to date.

Contact: [Alex Ross](#)

Access: [here](#)



# Resources

## Technical Briefing Note: Threats Mapping

This new technical briefing note provides an overview of how spatial data on threats can be used for impact assessments

Biodiversity is declining rapidly due to human-induced impacts on species and ecosystems. Threats can be mapped individually, in combination to produce cumulative threat maps, and by using species range data that includes information on species-specific threats. This briefing note explores how such spatial data can be used for impact assessments.

Access: [here](#)

Contact: [Leo Murphy](#)

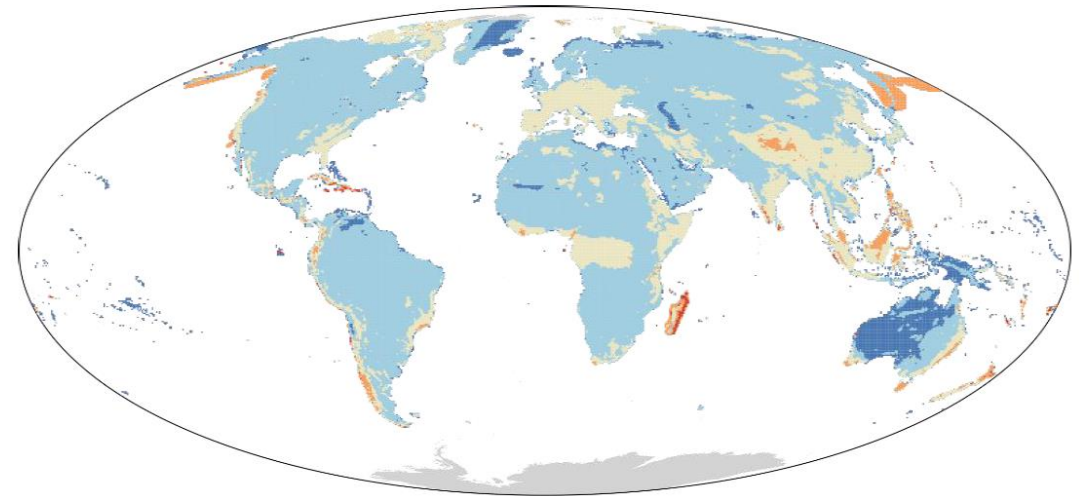


Figure 1: Spatial distribution of combined threats to species from habitat conversion, invasive species and hunting (based on International Union for Conservation of Nature (IUCN) Red List data for 11,727 species of mammals and amphibians). Source: UNEP-WCMC (2016).

# Resources

## Webinar: Nature-based Solutions

This Proteus Global Biodiversity Agenda webinar provided an overview of what Nature-based Solutions are and how they can be used.

This webinar covered what Nature-based Solutions are and why they are gaining prominence, before looking at the wide range of ways that Nature-based Solutions can be used by businesses, and the numerous co-benefits they can offer. The presentation focused on how Nature-based Solutions can be used for climate change adaptation, to increase the resilience of business operations.

Access: [here](#)

Contact: [Katie Dawkins](#)

## Webinar: IPBES

The topic of the final Proteus Global Biodiversity Agenda webinar of 2019 was the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES).

This webinar outlined the main findings of the IPBES Global Assessment, its implications for business, the IPBES work plan to 2030, and how companies can engage with the upcoming business and biodiversity methodological assessment.

Access: [here](#)

Contact: [Katie Dawkins](#)

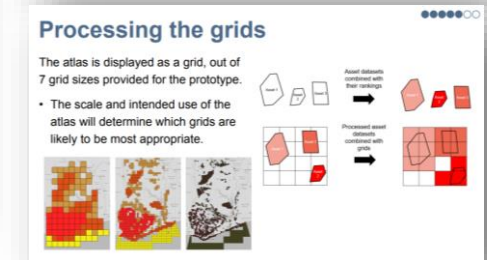
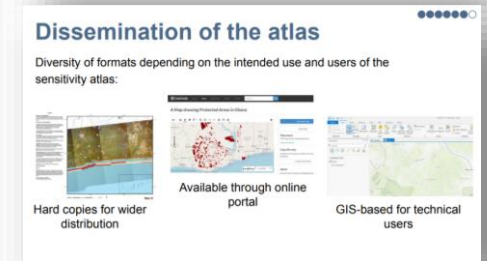
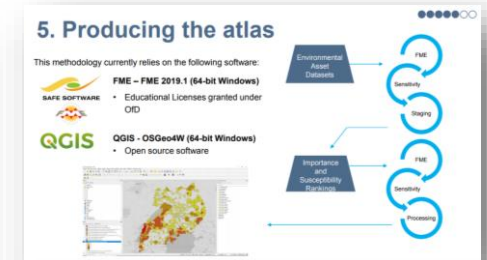
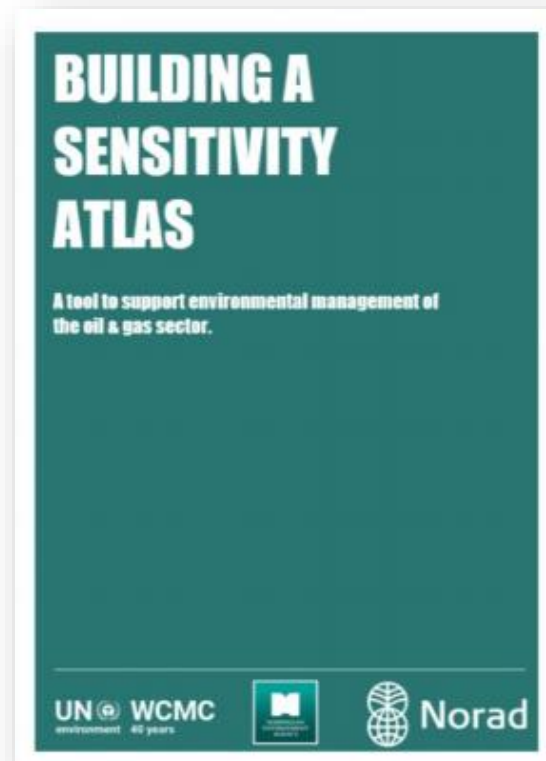
# Resources

## Webinar: Sensitivity Mapping

The fourth and final Proteus Technical Community of Practice webinar of 2019 discussed environmental sensitivity mapping

In this webinar, Leo Murphy and Sylvaine Rols gave an introduction to the Oil for Development (OfD) Programme, UNEP-WCMC's work on sensitivity mapping and the methodology developed, and discussed implications for Proteus Partners. The methodology is being adopted by several national governments and will likely form part of their environmental management processes in the future.

Access: [here](#)  
Contact: [Leo Murphy](#)



# Publications



## Relating characteristics of global biodiversity targets to reported progress

Conservation Biology. Green, EJ, ... Burgess, N, Hill, SLL, et al. (April 2019) - Available [here](#)



## Grand challenges in the science of wind energy

Science. Veers, P, et al. (October 2019) - Available [here](#)



## Disentangling 'ecosystem services' and 'nature's contributions to people'

Ecosystems and People. Kadykalo, AD, et al. (October 2019) - Available [here](#)



## A global-level assessment of the effectiveness of protected areas at resisting anthropogenic pressures

PNAS. Geldmann, J, Manica, A, Burgess, ND, et al. (October 2019) - Available [here](#)



## Ecosystem indices to support global biodiversity conservation

Conservation Letters. Rowland, JA, ... Juffe-Bignoli, D, et al. (November 2019) - Available [here](#)



## Net positive outcomes for nature

Nature Ecology & Evolution. Bull, JW, et al. (November 2019) - Available [here](#)



## Measuring Forest Biodiversity Status and Changes Globally

Frontiers in Forests and Global Change. Hill, S, Arnell, A, Maney, C, ... Burgess, N (November 2019) - Available [here](#)



## Indicators for global and national biodiversity targets – experience and indicator resources for development of the post-2020 global biodiversity framework

Convention on Biological Diversity (November 2019) - Available [here](#) (For more information, contact: [Hilary Allison](#) or [Philip Bubb](#))



## Pervasive human-driven decline of life on Earth points to the need for transformative change

Science. Diaz, S, et al. (December 2019) - Available [here](#)



# Calendar

Oct to  
Dec  
2019

## Proteus Partner Events

**22 Jan  
2020** **Technical Community of Practice Webinar 1:**  
*Ecologically or Biologically Significant Marine Areas (EBSAs)*

**Mar  
2020** **Global Biodiversity Agenda Webinar 1:**  
*Topic to be confirmed*

## Save the Date

**9-10 Jun  
2020** **Proteus Annual Meeting 2020**  
***Save the Date***  
*Location: Marseille, France*  
*For more information, contact [Jonty Knox](#)*

## Also coming up

**23-28  
Feb** **World Biodiversity Forum**  
*Location: Davos, Switzerland*  
*More information [here](#)*

**24-29  
Feb** **Second meeting of the Open-ended Working Group  
on the Post-2020 Global Biodiversity Framework**  
*Location: Kunming, China*  
*More information [here](#)*

## Looking ahead

**11-19  
Jun** **IUCN World Conservation Congress**  
*Location: Marseille, France*  
*More information [here](#)*

**Oct -  
Nov** **Fifteenth Conference of the Parties to the  
Convention on Biological Diversity (COP 15)**  
*Location: Kunming, China*  
*More information [here](#)*

