



UN Environment Programme  
World Conservation Monitoring Centre

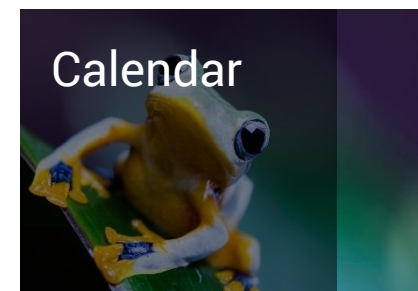
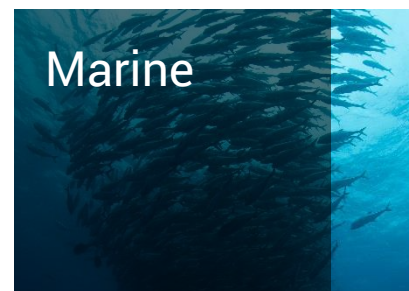
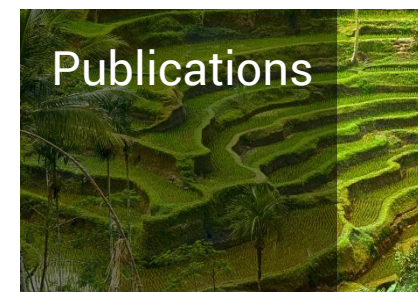
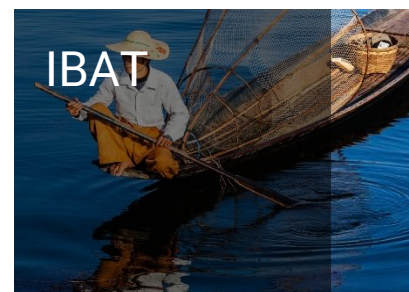
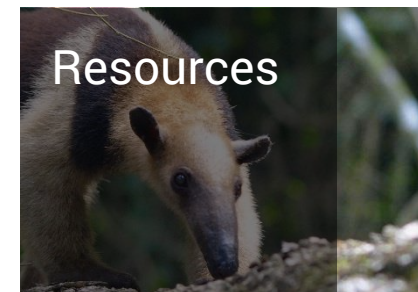
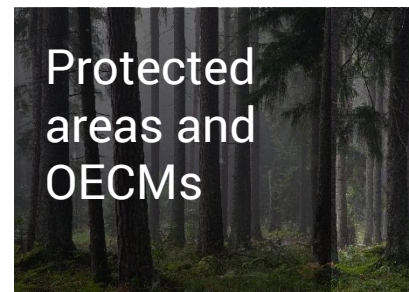
# PROTEUS QUARTERLY UPDATE

## October to December 2020

proteus

The background of the slide is a scenic landscape photograph. It shows a range of mountains with patches of snow, a dense forest of evergreen trees in the foreground, and a calm body of water that perfectly reflects the scene above. The sky is a clear, pale blue.

# Proteus Quarterly Update



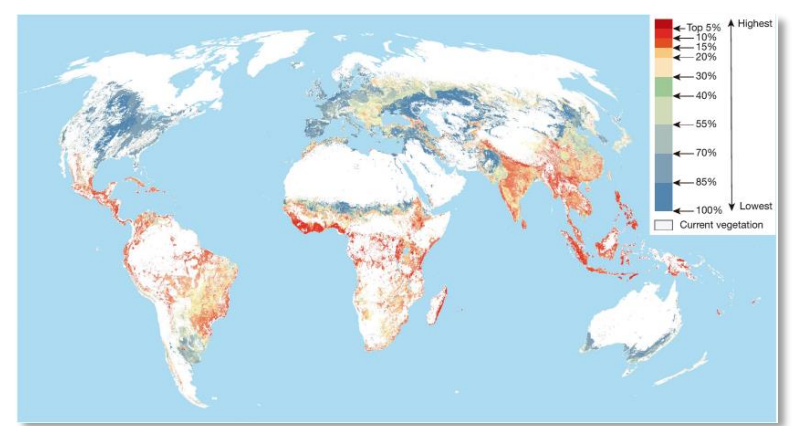
# Highlights

## Global priority areas for ecosystem restoration

### UNEP-WCMC co-authored a new paper on restoration priorities

- The paper, led by Bernado Strassburg, suggests that restoring 30% of lands that have been converted for farming in priority areas, can prevent over 70% of the projected extinctions of mammals, birds and amphibians.
- The algorithm used identifies priority global locations for restoration according to three criteria: biodiversity conservation, the mitigation of climate change and costs.
- The framework used in this analysis is supporting parties to the Convention on Biological Diversity in exploring targets for the post-2020 global biodiversity framework.

Access: [Journal article here](#), [News and Views here](#)  
 Contact: [Val Kapos](#), [Lera Miles](#)



# Highlights

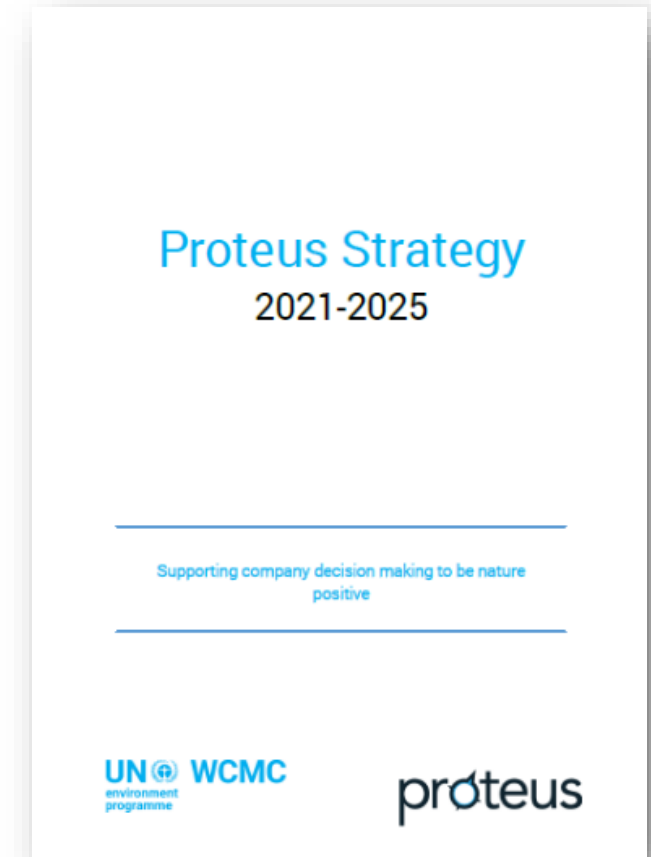
## Proteus Partnership 2021-2025

### Looking forward to the start of the next phase of Proteus

The Proteus workplan for 2021 includes a range of innovative and insightful activities:

- New materials to build the business case for biodiversity
- New Horizon Scan webinars and Technical Briefs on cutting edge biodiversity topics with input from leading experts
- Access to new biodiversity data and associated Data Forums
- Continued support to Partners through bespoke training, technical assistance and data verification

Contact: [Jonty Knox](#)



# Protected Areas and other effective area-based conservation measures (OECMs)

## World Database on Protected Areas (WDPA) and World Database on OECMs (WD-OECM)

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

Several data updates have been made to the WDPA and WD-OECM between October and December, including:

- **Algeria:** Five Cultural Parks, which have recently been identified as OECMs at the national level, have been added. The five new OECMs cover over 1 million km<sup>2</sup> of Algeria's terrestrial area.
- **Canada:** A complete update of the Canadian protected area and OECM network. Over 8,000 sites have been verified as correct, 915 sites have been added and 406 sites have been removed.

Number of  
countries  
updated

43

Percent of  
records  
updated or  
validated

6%



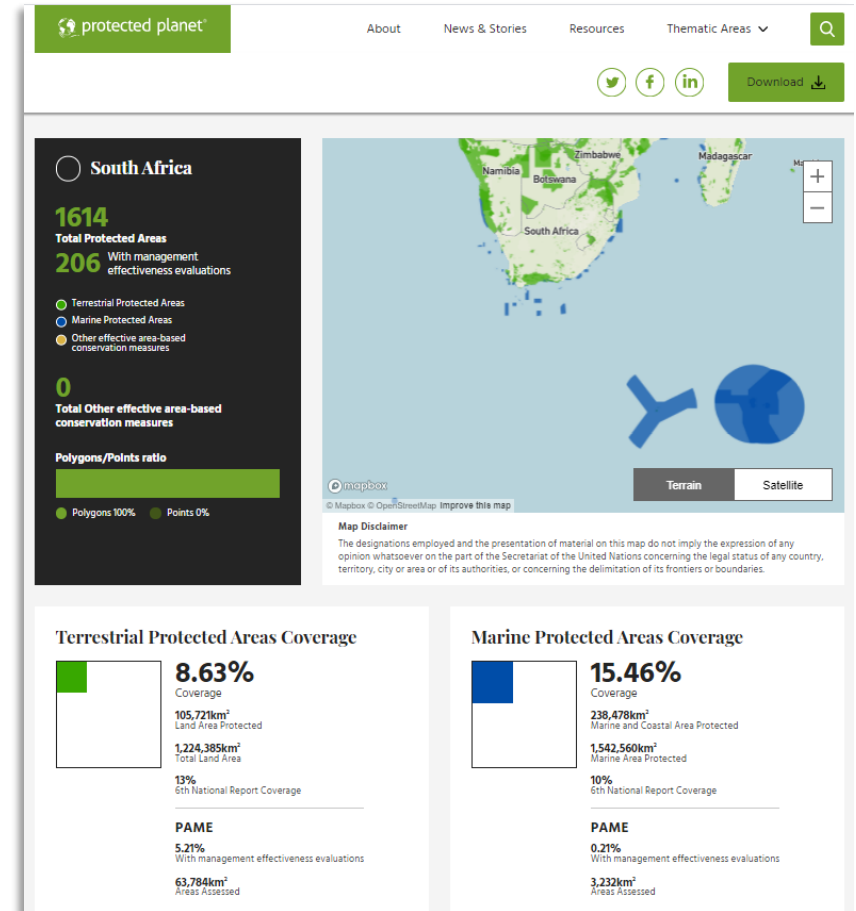
# Protected Areas and OECMs

## WDPA and WD-OECM (Continued)

- **South Africa:** A complete update of South Africa's national-level protected area network, including the addition of three polygon records for Nature Reserves and one polygon record for a Protected Environment covering 125km<sup>2</sup> in total.
- **Priority Countries:** Seven Proteus Priority countries have been updated during this period. A summary of the priority country nomination successes in 2020 will be provided to Partners separately.

If you don't currently receive the monthly release of the WDPA and you would like to in 2021, please email [Proteus@unep-wcmc.org](mailto:Proteus@unep-wcmc.org).

Contact: [Jessica Stewart](mailto:Jessica.Stewart@unep-wcmc.org)



# Protected Areas and OECMs

## WDPA and WD-OECM (Continued)

UNEP-WCMC have conducted a range of activities\* to support the WD-OECM including:

- delivering a bespoke OECM training session for the Indian government and NGOs: How to report OECM data (UNDP India is using this training to support eight other countries in the region to report on OECMs to UNEP-WCMC)
- delivering an [OECM webinar for Eastern and Southern Africa](#) through the [BIOPAMA](#) programme
- strengthening the governance of the Protected Planet Initiative through a Joint Programme Committee meeting between UNEP-WCMC, IUCN and UNEP
- delivering an interactive workshop session on the WDPA and WD-OECM at '[LACA 2020 \(Conservation Latin America\) Sustainable Choices: Safeguarding Biodiversity in the Anthropocene](#)'



Contact: [Jessica Stewart](#), [Heather Bingham](#)

\*Please note these activities fall under leveraged funding by Proteus

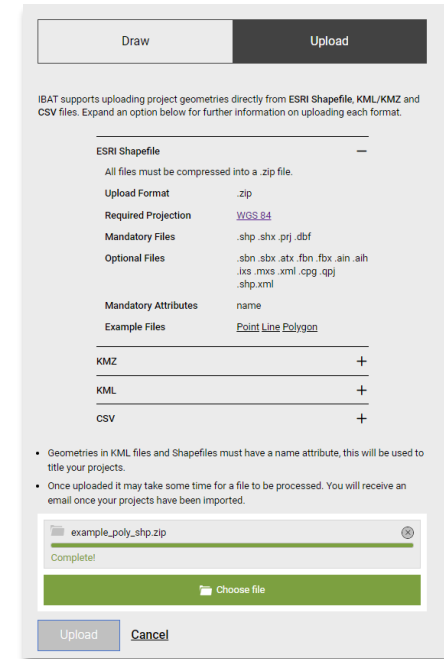
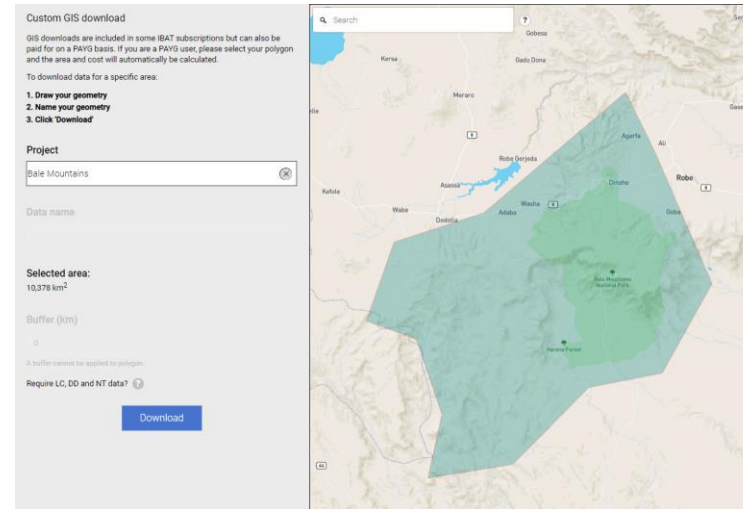


# Integrated Biodiversity Assessment Tool (IBAT)

## IBAT 3.0

### Updates and enhancements

- New Shapefile upload functionality allows users to upload their own geospatial files to generate IBAT Projects. Formats include ESRI Shapefile, KMZ, KML and CSV files. See this [video tutorial](#) for more details on the process.
- Users can download spatial data from previously uploaded IBAT Projects, as GIS Data Downloads are now linked to IBAT Projects. See this [video tutorial](#) for more details the process.



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



## New data on IMO Particularly Sensitive Sea Areas (PSSAs) and Special Areas under MARPOL

The International Convention for the Prevention of Pollution from Ships (MARPOL) defines certain sea areas as “special areas” where mandatory methods for preventing sea pollution are required, and which are provided with a higher level of protection.

Particularly Sensitive Sea Areas (PSSAs) are designated by the International Maritime Organisation (IMO) and are intended to protect certain marine areas from damage by international maritime activities, such as shipping.

Access: MARPOL data: [here](#); PSSA data: [here](#)

Contact: [Lauren Weatherdon](#)



Particularly Sensitive Sea Areas (PSSAs)



Global Distribution of Special Areas under MARPOL

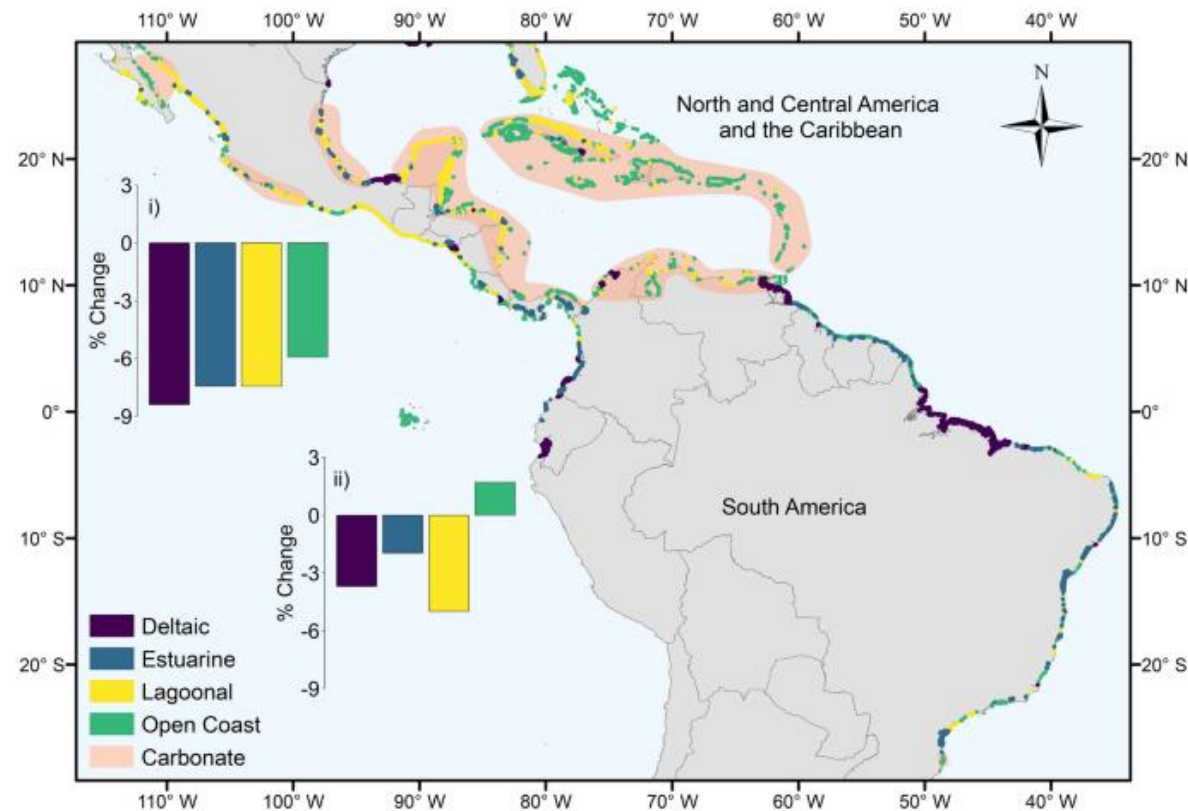
## A global biophysical typology of mangroves

Building on Global Mangrove Watch, the world's mangroves are now classified as deltaic, estuarine, lagoonal or open coast based on their proximity to coastal features

This new time series dataset classifies the world's mangroves based on their geomorphic and sedimentary setting between 1996 and 2016, and can be accessed via the [Ocean Data Viewer](#).

The [accompanying open access paper](#) is available from *Scientific Reports*.

Access: [here](#)  
Contact: [Sara Pruckner](#)



Worthington et al. A global biophysical typology of mangroves and its relevance for ecosystem structure and deforestation. *Sci Rep* 10, 14652 (2020). <https://doi.org/10.1038/s41598-020-71194-5>

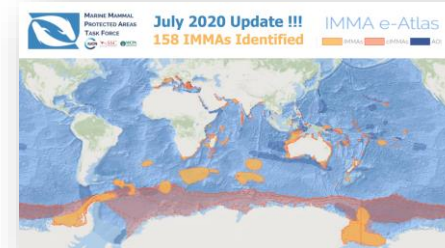
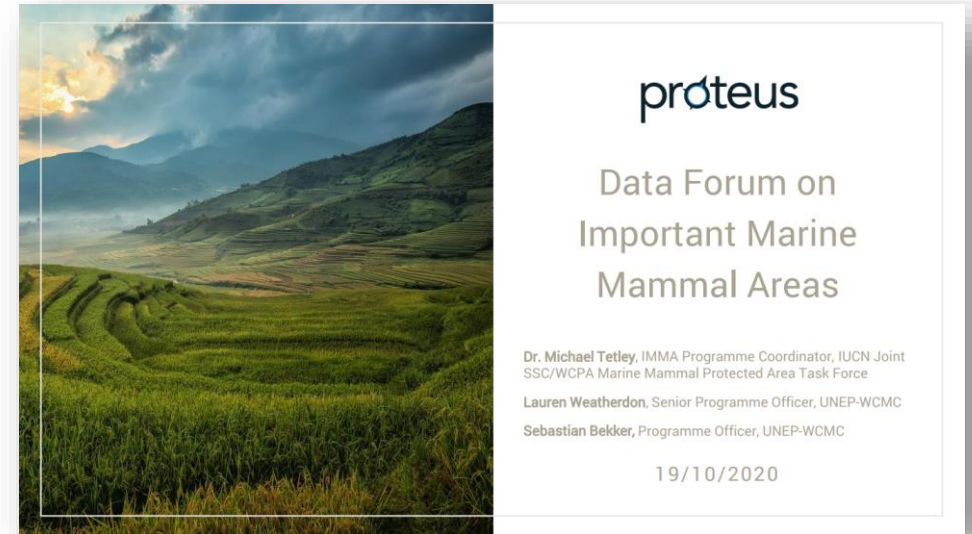
# Resources

## Data Forum: Important Marine Mammal Areas (IMMAs)

As part of the Data Forum webinar series, a presentation on Important Marine Mammal Areas (IMMAs) was delivered on 19<sup>th</sup> October 2020

Dr. Michael Tetley (IMMA Programme Coordinator, IUCN Joint SSC/WCPA Marine Mammal Protected Area Task Force) presented on the development of the Important Marine Mammal Areas (IMMAs) network. The presentation covered an introduction to IMMAs, the method and criteria used to identify them, and use cases for the screening layer. The dataset is available to access through the Proteus Partnership.

Access webinar materials: [here](#), Access data: [here](#) (password: DHLC8KHU)  
Contact: [Sebastian Bekker](#)



**Criterion A - Species or Population Vulnerability**

**Criterion B - Distribution and Abundance**

- Sub-criterion B1 - Small or Resident Populations
- Sub-criterion B1i - Aggregations

**Criterion C - Key Life Cycle Areas**

- Sub-criterion C1 - Reproductive
- Sub-criterion C1i - Feeding
- Sub-criterion C1ii - Migration

**Criterion D - Special Attributes**

- Sub-criterion D1 - Distinctiveness
- Sub-criterion D1i - Diversity

**Important Marine Mammal Area (IMMA)**

*'A discrete portion of habitat, important for one or more marine mammal species, that has the potential to be delineated and managed for conservation'*

Identified using an expert-based bio-centric identification process in open consultation with the wider marine mammal knowledge community



# Resources

## Horizon Scan and Data Forum: Restoration Resilience

UNEP-WCMC have produced a range of supporting materials to accompany the new Restoration Resilience Layer, which will be released in Q1 2021

- **Horizon Scan:** A webinar was given on 29<sup>th</sup> October on the development of the restoration resilience layer, to gather Partner feedback and understand key use cases. The slide pack and recording are available [here](#).
- **Data Forum:** A webinar was given on 25<sup>th</sup> November to promote the findings of the newly developed restoration resilience layer. The slide pack and recording are available [here](#).

Contact: [Hazel Thornton](#), [Sara Pruckner](#)



# Resources

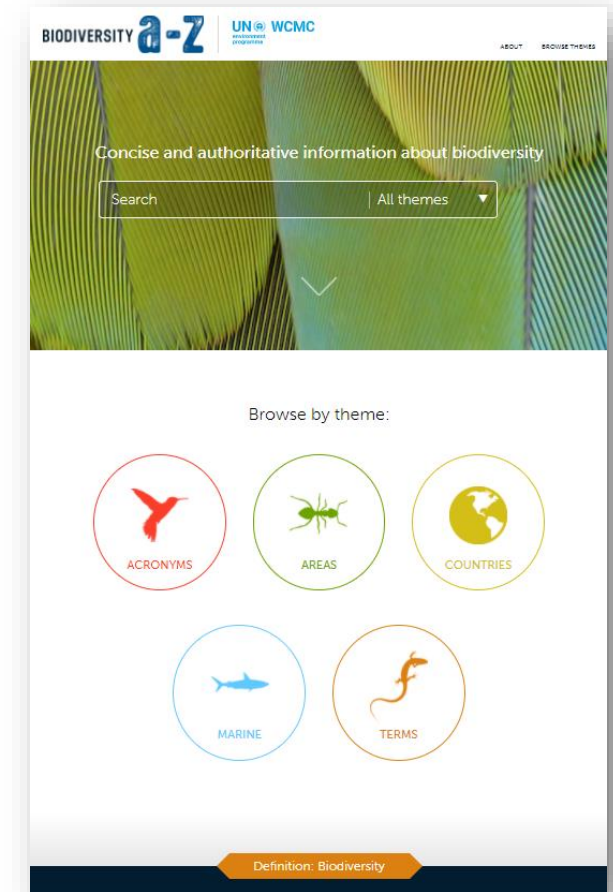
## Upgrades to the Biodiversity A-Z









Website re-development and content update planned for 2021

- The [Biodiversity A-Z](#) was re-launched in 2014. Since then, the user base has expanded to >250,000 hits per year, with users from 236 countries, including businesses, government officials, NGOs, academics, students, and conservation volunteers.
- During 2020, UNEP-WCMC focussed on collecting feedback from users and stakeholders to inform future upgrades to the Biodiversity A-Z.
- UNEP-WCMC aims to carry out major upgrades to the content and interface in 2021. While Proteus will continue to fund essential maintenance and smaller annual content updates after this, further funding outside of Proteus is also being sought for future upgrades.

Access: [here](#)  
Contact: [Alex Ross](#)



# Publications

-  **Area-based conservation in the twenty-first century**  
Nature. Maxell S...Kingston N, Lewis E, et *al.*, (2020)– Available [here](#)
-  **Global priority areas for ecosystem restoration**  
Nature. Strassburg B.N...Kapos V, Miles L, et *al.*, (2020)– Available [here](#)
-  **Strengthening synergies: how action to achieve post-2020 global biodiversity conservation targets can contribute to mitigating climate change**  
UNEP-WCMC. De Lamo. X... Kapos V, Miles L, et *al.*, (2020)– Available [here](#)
-  **Mapping the effectiveness of nature-based solutions for climate change adaptation**  
Global Change Biology. Chausson. A... Kapos V, et *al.*, (2020)– Available [here](#)
-  **Towards a typological framework for area-based conservation**  
PARKS Journal. Bell. E M.S, Bingham, H.C, Bhola, N...Kingston N, et *al.*, (2020)– Available [here](#)
-  **Linking biodiversity into national economic accounting**  
Environmental Science & Policy. King, S... Brown, C, et *al.*, (2020)– Available [here](#)

# Calendar

Oct to  
Dec  
2020

## Proteus Partner Events

**Feb 2021** Brownfield Sites Technical Briefing Note

**March 2021** Restoration Resilience Layer

## External Events and Webinars

**25<sup>th</sup>-26<sup>th</sup> Jan** Climate Adaptation Summit 2021  
[Register here](#)

**1<sup>st</sup>-5<sup>th</sup> March** The Economist Group's 8<sup>th</sup> Annual World Ocean Summit Virtual Week  
[Register here](#)

## Events in 2021

**22<sup>nd</sup>-26<sup>th</sup> Feb** Fifth Session of the UN Environment Assembly (UNEA-5) Adaptation Summit 2021  
*Location: Nairobi, Kenya*  
[More information](#)

**First Quarter** SBSTTA-24 and SBI-3  
*Location: Canada*  
[More information](#)

In light of the global Coronavirus (COVID-19) pandemic, many events are being cancelled or postponed. These dates may change.

