



# Proteus Partners Annual Meeting 2015

London June 2015



UNEP



WCMC



# Meeting Overview

**Tuesday 9<sup>th</sup> June**

**Proteus Annual Meeting – Members Only**

**Wednesday 10th June**

**Screening workshop – Proteus Members and invited observers**



UNEP



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# Meeting Objectives

Direction - Engagement - Support - Feedback

- Provide summary from the 2014-2015 delivery of Proteus
- Share plans for the development of Proteus resources over the next 5 years
- Discuss the Proteus renewal and delivery framework for the next phase
- Share current knowledge and directions from the global biodiversity arena
- Workshop on screening – focus targeted support of data



# Welcome & Introduction

Jon Hutton

Director UNEP-WCMC




# “The Global Biodiversity Authority”

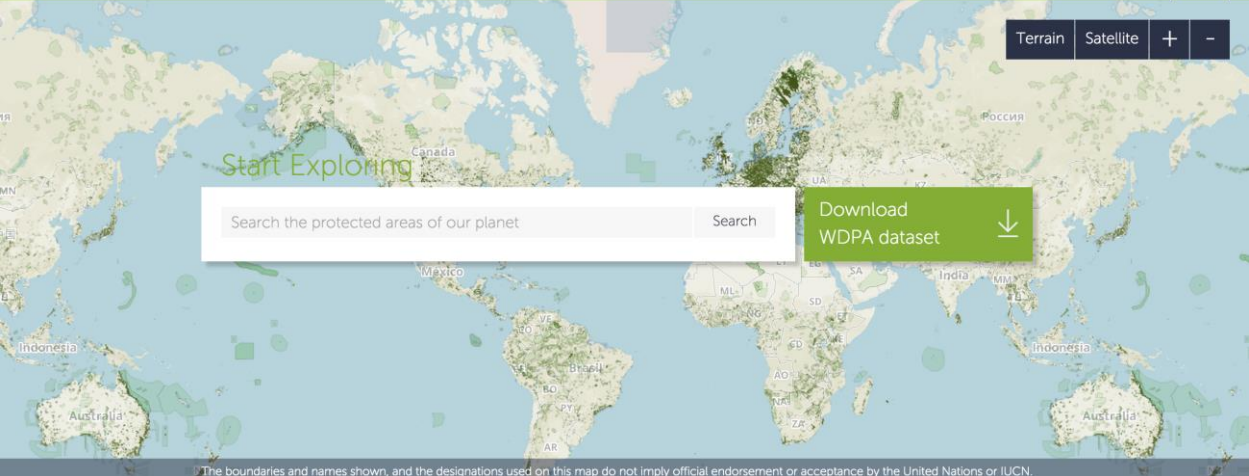
- UNEP-WCMC is UNEP’s Specialist Biodiversity Assessment Centre
- We unlock the power of data so that decision-makers can make enlightened choices for people and the planet...
- The Centre has been in place for 35 years and has been a part of UNEP since 2000
- The Centre helped pioneer much of the world’s conservation ‘infrastructure’






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- RESOURCES
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- ▼ Home
  - ▼ About Our Earth
  - ▼ Publications & Resource
  - ▼ Living Planet Report
  - **Living Planet Index**
    - Terrestrial
    - Marine
    - Freshwater
    - 2008 Report
    - Humanity's Footpr
    - Solutions
    - What does it all m
    - Reduce Your Deb
    - Previous reports
    - Using report grap



Start Exploring

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# Extractive impacts & Biodiversity...

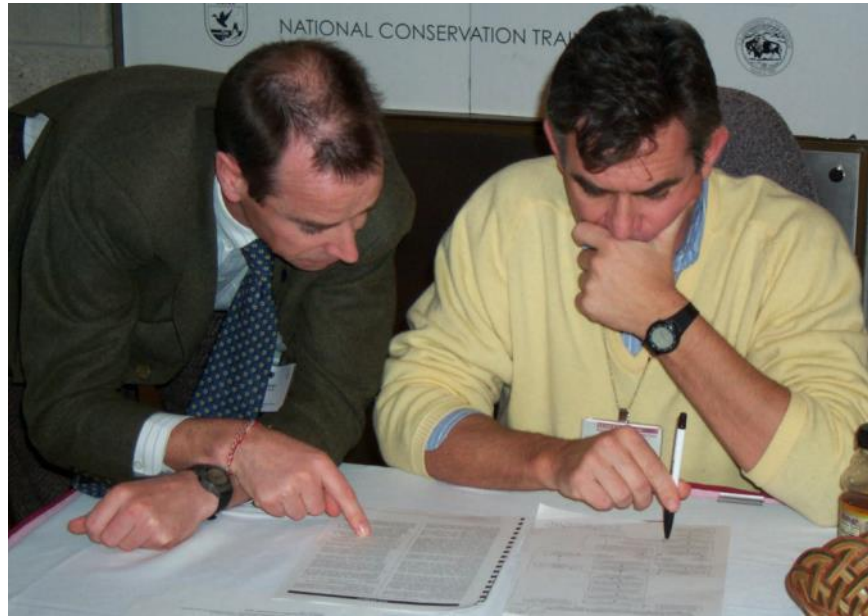


- Transport
- Leakage/spillage
- Effects on conservation policy
- Climate change impacts via CO<sub>2</sub> emissions
- Exploration, Infrastructure & Development

# The business case for biodiversity is strong

- a) Regulatory, reputation and financial risks.
- b) The delivery of projects on budget/time.
- c) 'License to operate' advantages.
- d) Internal safeguard policies.
- e) Pressures to measure and report (e.g. GRI)
- f) Third party funding (IFC Performance Standard 6)

But it is not easy to get to grips with...



# Biodiversity is complex...

**Variety** - the number of different types.

**Quantity** - how much there is of the different types.

**Composition** - how are the types combined?

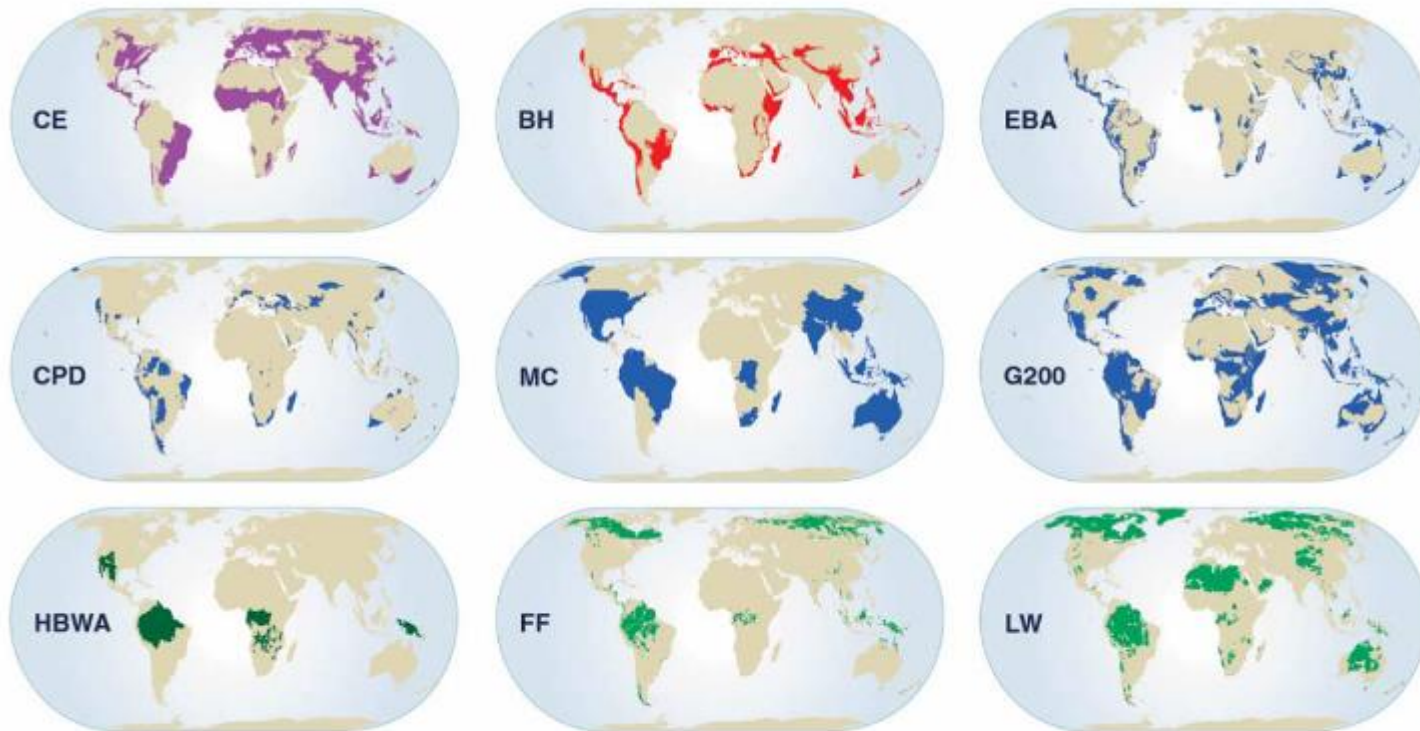
**Distribution** - where is it located.

**Quality** - how intact/degraded is it?

**Definition** - what is in and what is not...

Measuring biodiversity and establishing metrics and indicators *is not a trivial task....*

# There are different and competing views of what constitutes important biodiversity...



**Fig. 2.** Maps of the nine global biodiversity conservation priority templates: CE, crisis ecoregions (21); BH, biodiversity hot spots [(11), updated by (39)]; EBA, endemic bird areas (15); CPD, centers of plant diversity (12); MC, megadiversity countries (13); G200, global 200 ecoregions [(16), updated by (54)]; HBWA, high-biodiversity wilderness areas (14); FF, frontier forests (19); LW, last of the wild (20).

# Metrics and standards vary widely...

The image displays a collage of various sustainability standards and reporting frameworks. On the left, there are screenshots of the Global Reporting Initiative (GRI) website and the International Finance Corporation (IFC) website. The GRI page shows the 'G3 Guidelines' section, and the IFC page shows the 'Environmental and Social Standards' section. In the center and right, there are logos for several standards: FSC (Forest Stewardship Council), RSPO (Roundtable on Sustainable Palm Oil), IFOAM (International Federation of Organic Agriculture Movements), FAIRTRADE, SOIL ASSOCIATION ORGANIC STANDARD, MARINE STEWARDSHIP COUNCIL, Union for Ethical BioTrade SOURCING WITH RESPECT, A FAIR DEAL FOR PEOPLE AND WILD COLLECTED PLANTS INVOLVES US ALL!, FAIRWILD (FairWild Foundation), and logos for the European Bank for Reconstruction and Development and the European Investment Bank.

The inadequacy of data and standards sufficient to allow extractive business to plan and report provided the original motivation for Proteus...

# The Proteus vision in 2004...

1. New data and information will be developed so that decisions affecting biodiversity are better informed.
2. Decision-makers will be provided with an opportunity to support the generation and maintenance of the data they need.

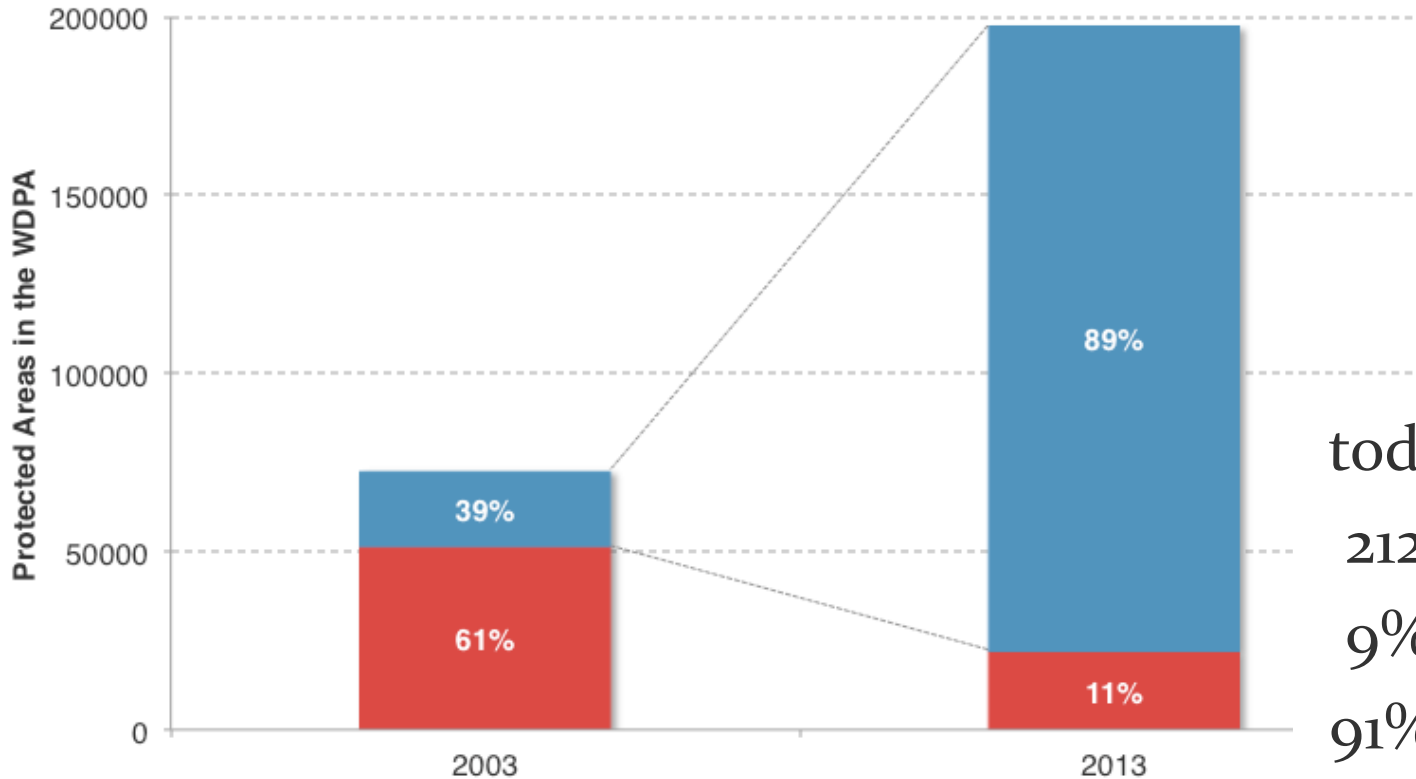
# The objectives of the Partnership today are...

1. To improve significantly **the accuracy, completeness and currency** of information in the World Database on Protected Areas, focusing on data verification, quality assurance and enhancements in interoperability.
2. To support **integrated knowledge products** that provide access to information on **sites of global importance** for biodiversity and increasingly feature sites that are considered national priorities.
3. To compile **globally consistent, comprehensive and validated datasets** for important coastal and **marine ecosystems**, and develop a business-relevant baseline of biodiversity priorities in the marine realm.
4. To share **context and insights** into the latest trends and developments in biodiversity and ecosystem policy, initiatives, data and tools of importance to business.

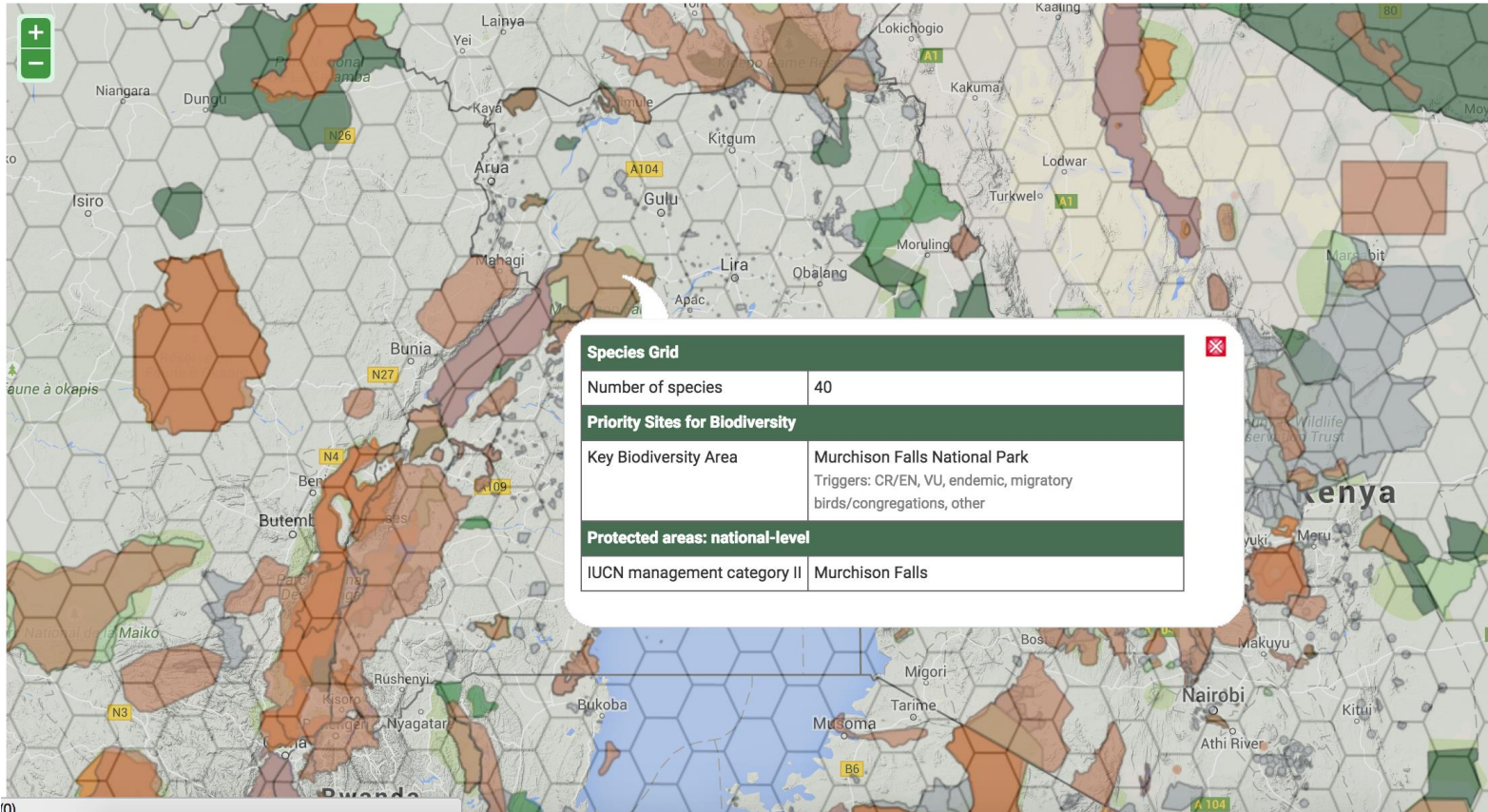


# The Proteus Contribution...

# PA Data Quality Improvements...



today...  
212,000 PAs  
9% points  
91% polygons



Ocean Data Viewer x

data.unep-wcmc.org

UNEP WCMC

OCEAN DATA VIEWER

About the site

Select dataset(s) to view

SEARCH & FILTER

Mean Annual Sea Surface Temperature 2009-2013 (2015)

Environmental descriptor  
Publication date: 2015

Raster

Mean Annual Sea Surface Chlorophyll-a Concentration 2009-2013 (2015)

Environmental descriptor  
Publication date: 2015

Raster

World Database on Protected Areas

Area of biodiversity importance  
Publication date: 2014

Polygon,  Point

Global Map of Shannon's Index of Biodiversity

Biodiversity metric  
Publication date: 2014

Raster

Leaflet | GEBCO, IHO-IOC, GEBCO, NGS, DeLorme

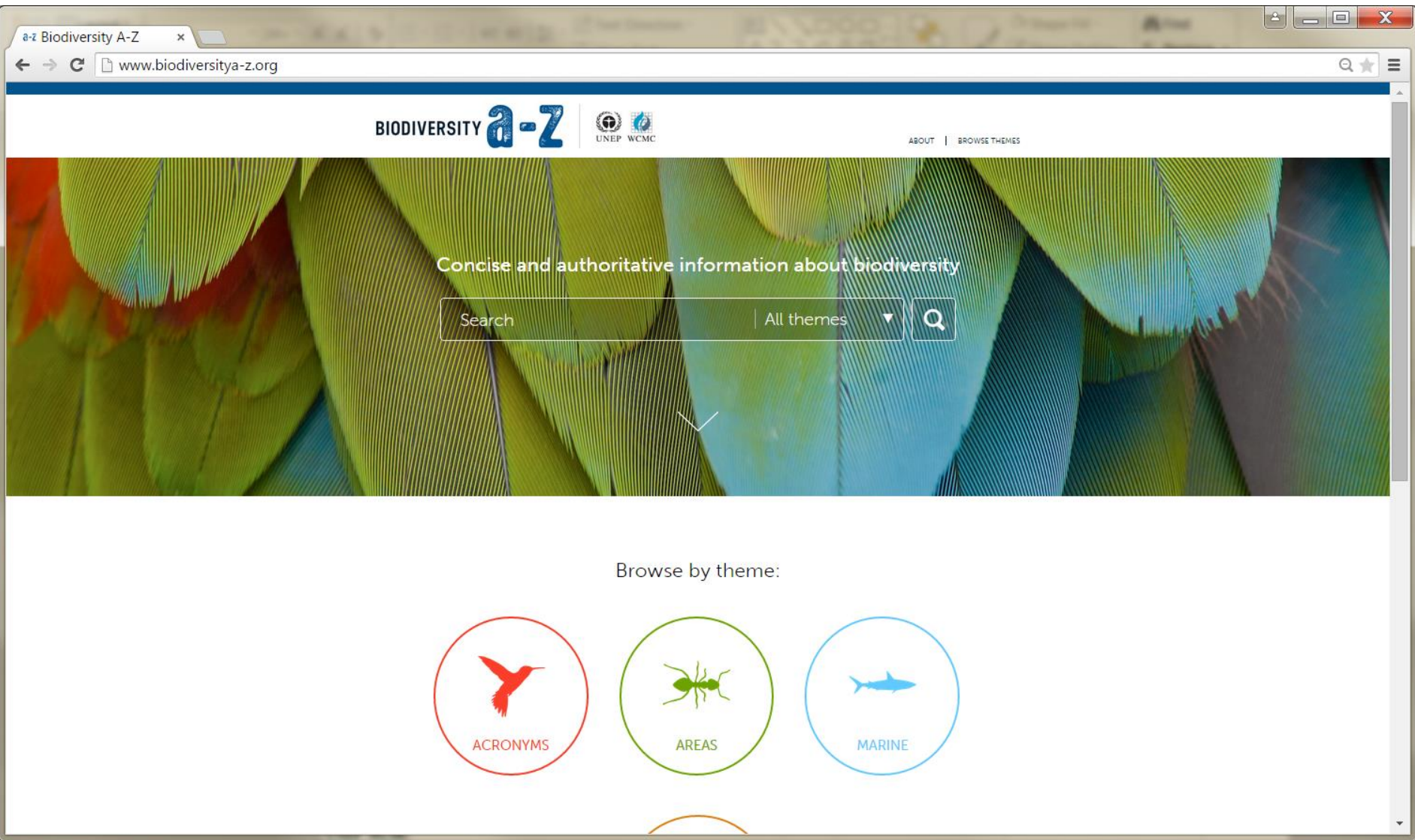
POWERED BY esri

funded by proteus partners for a wiser world

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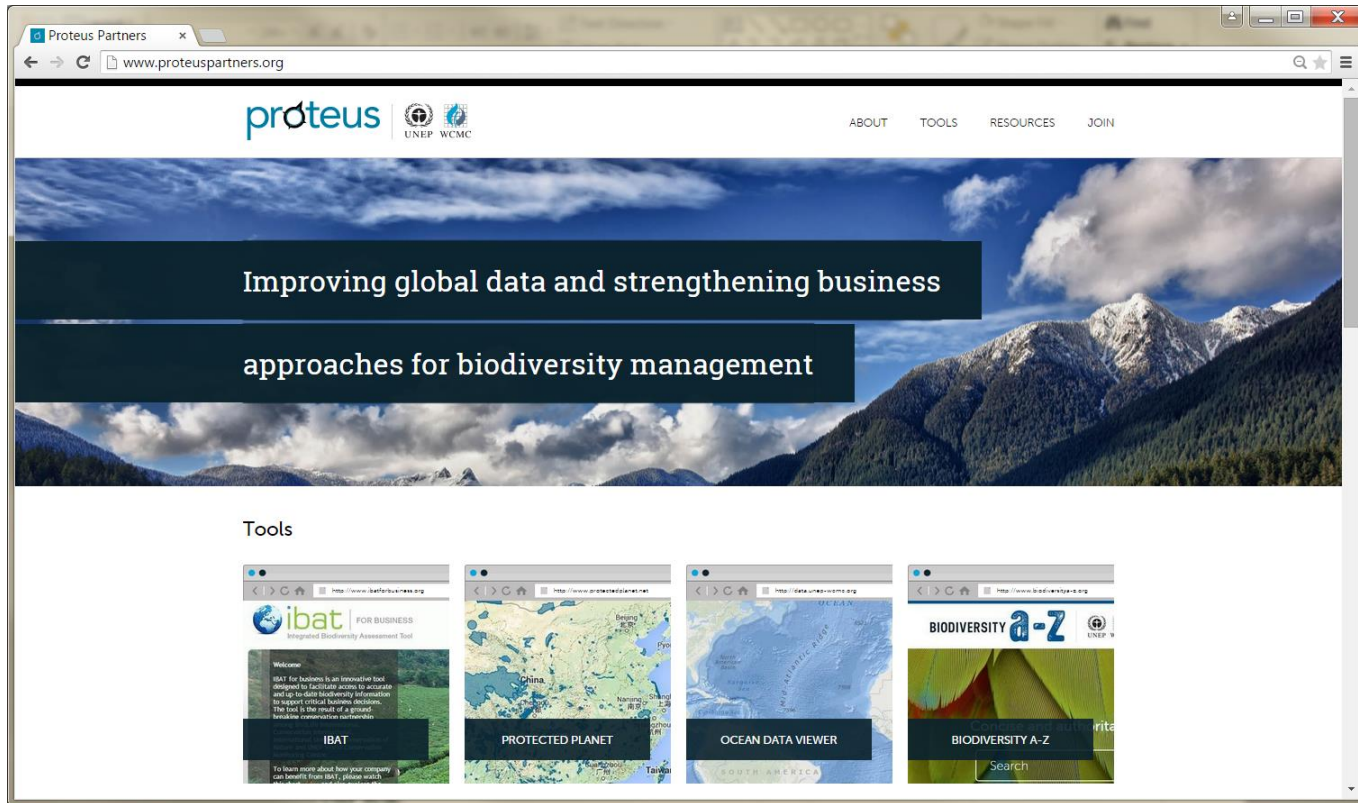
UNEP WCMC



# From a standards perspective...

- ✓ By supporting access to better biodiversity data to meet their own needs, The Proteus Partners contribute to the creation of data that are used in global conservation decision-making.
- ✓ Not only is this a direct contribution to international biodiversity conservation targets, but it means that everyone is using same data, on a common platform, so companies can have increasing confidence in the currency of the information they are using...

# The data received through Proteus and the IBAT are the new standard...



[www.proteuspartners.org](http://www.proteuspartners.org)

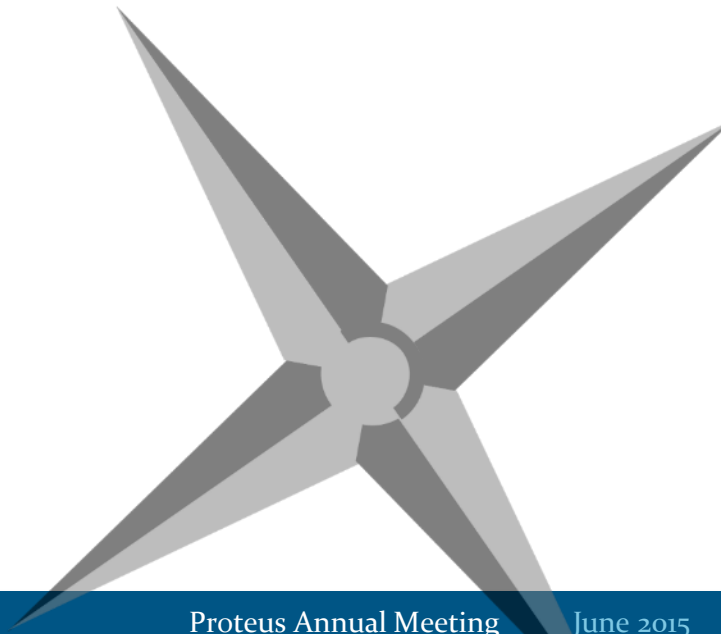
[www.unep-wcmc.org](http://www.unep-wcmc.org)

# Achim Steiner

UNEP Executive Director and Under-Secretary-General of the United Nations



# UNEP Project: Extractive Industry Approaches to Biodiversity and Ecosystem Management



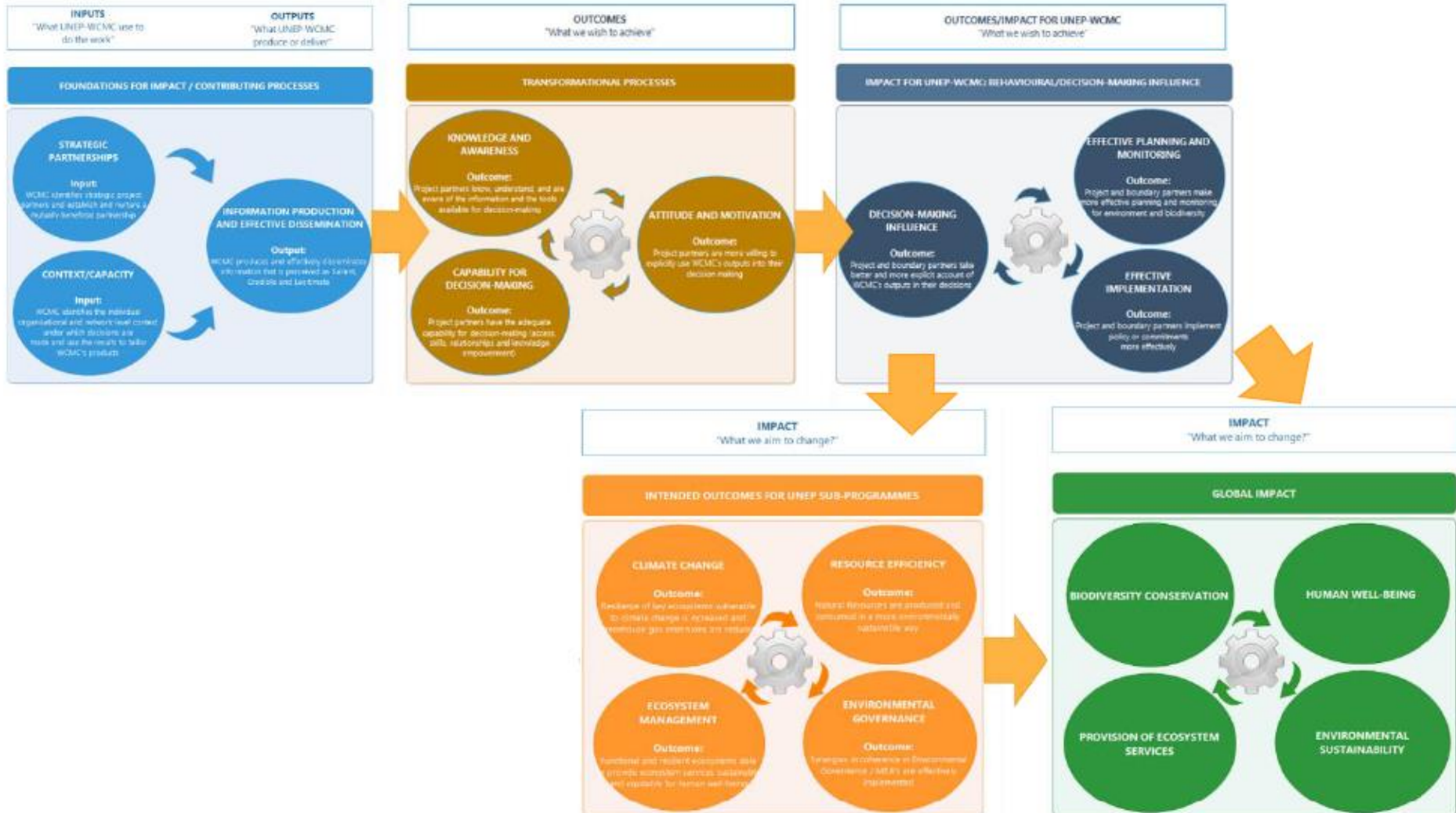
# Strengthening Biodiversity and Ecosystem Management in the Extractives Sector

Melissa Tolley

Head of Business and Biodiversity, UNEP-WCMC



# Theory of Change



# Business and Biodiversity Aim

*Support effective industry impact mitigation to reduce the threats to biodiversity associated with development activity*



Knowledge of biodiversity – what it is and where it is

Knowledge of potential impacts on biodiversity

Knowledge of how to effectively mitigate impacts

Legislative and policy framework enables the mitigation of impact

Sufficient incentives to mitigate impact

## Mission

### Our mission

To provide authoritative information about biodiversity and ecosystem services in a way that is useful to decision makers who are driving change in environment and development policy.

By working with expert partners worldwide, we draw together, analyse and interpret information on biodiversity, and strengthen the ability of others to do so.

## Partners

### Our partners



## Thematic areas

Knowledge of biodiversity – what it is and where it is

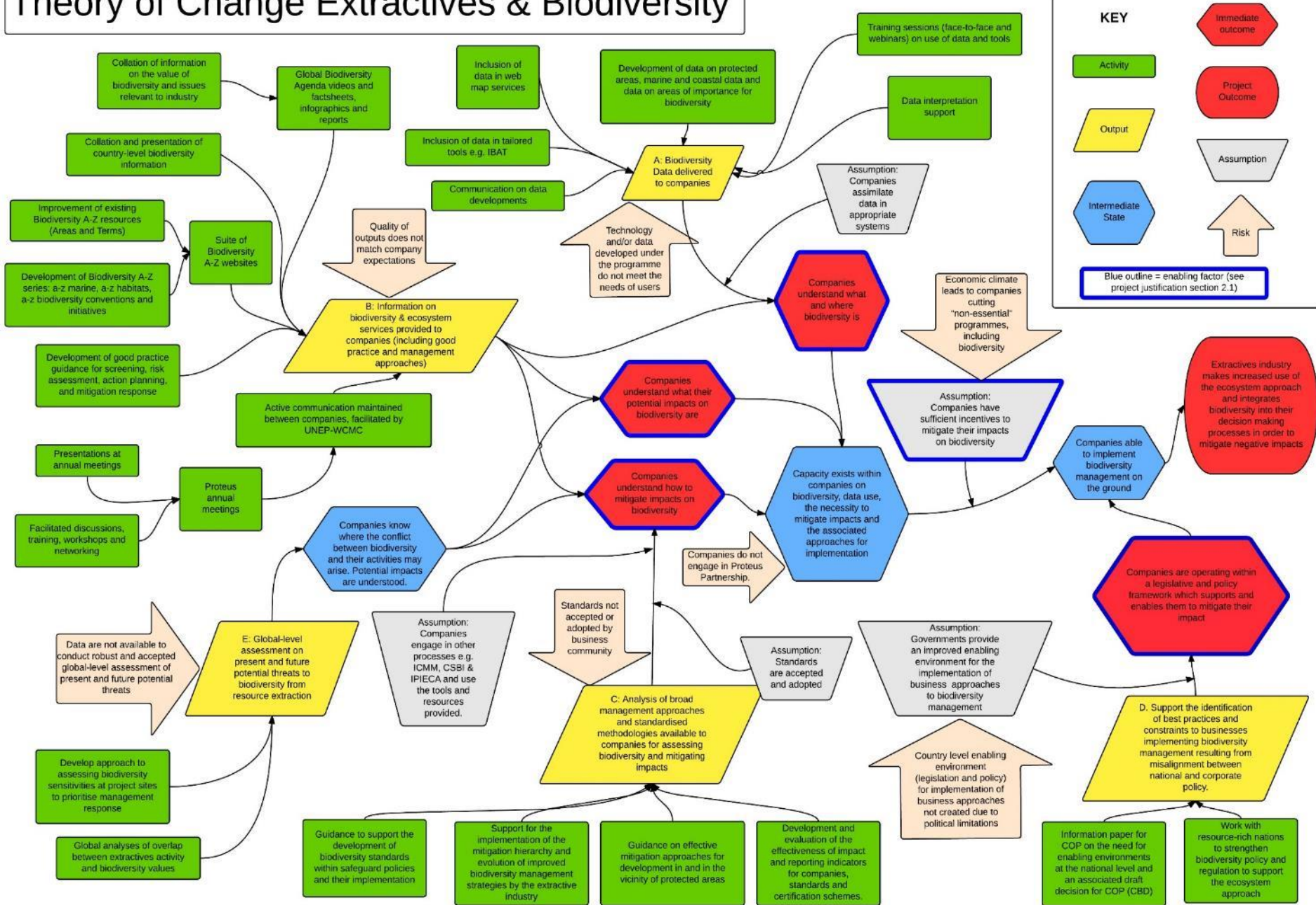
Knowledge of potential impacts on biodiversity

Knowledge of how to effectively mitigate impacts

Legislative and policy framework enables the mitigation of impact

Sufficient incentives to mitigate impact

# Theory of Change Extractives & Biodiversity



# UNEP Programme of Work



- Sub-programme 1: Climate Change
- Sub-programme 2: Disasters and Conflicts
- Sub-programme 3: Ecosystem Management
- Sub-programme 4: Environmental Governance
- Sub-programme 5: Chemicals and Waste
- Sub-programme 6: Resource Efficiency
- Sub-programme 7: Environment Under Review

Collaboration with the private sector through partnerships and pilot projects to integrate the ecosystem approach into sector strategies and operations is enhanced



# Strengthening Biodiversity and Ecosystem Management in the Extractives Sector

## Objectives

- **Strengthen knowledge and understanding of biodiversity and ecosystem services** within companies
- **Strengthen global standards, safeguard policies and aligned methodologies** for the implementation of biodiversity and ecosystem management policies
- **Provide guidance on how to strengthen relevant policy and regulation** within a number of resource-rich national governments to support private sector engagement in biodiversity management



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[businessandbiodiversity@unep-wcmc.org](mailto:businessandbiodiversity@unep-wcmc.org)



# Proteus Overview

Matt Jones, Kerstin Brauneder & Ruth Fletcher

2014-2015



# Overview

- Finances
- Data improvements
- Resources and deliverables



# 2014 Income and Expenditure: Overview

- Total income USD 1,388,437
  - Supplemented by in-kind contributions and leveraged funds
- Total expenditure USD 1,397,908



# 2014 Income and Expenditure: activities

Income to 31 <sup>st</sup> December 2014	Income
<b>Proteus Partner Income</b>	<b>\$1,388,437</b>

Expenditure to 31 <sup>st</sup> December 2014	Expenditure
<b>Project management</b>	<b>\$174,724</b>

<b>Improve WDPA</b>	<b>\$419,514</b>
---------------------	------------------

<b>Provide integrated data</b>	<b>\$577,160</b>
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<b>Coastal and Marine data</b>	<b>\$178,512</b>
--------------------------------	------------------

<b>Global Biodiversity Agenda</b>	<b>\$47,997</b>
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<b>Total</b>	<b>\$1,397,908</b>
--------------	--------------------

<b>Balance</b>	<b>-\$9,471</b>
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# Leverage funds and in-kind contributions

Income to 31<sup>st</sup> December 2014

Income

Proteus Partner Income

\$1,388,437

<p>In-kind Contributions</p> <p>\$1,060,991</p> 	<p>Leverage ratio of</p> <p>\$1 : \$1.9</p> <p>For total partner contributions</p>	<p>Leverage ratio of</p> <p>\$1 : \$35</p> <p>For individual partner contributions</p>
Total	\$1,397,908	\$2,661,721

Balance

-\$9,471



# 2015 Budget

Expected Partner Income 2015

Income

<b>Proteus Partner Income</b>	<b>\$1,222,920</b>
-------------------------------	--------------------

Budget

<b>Project management</b>	<b>\$163,400</b>
---------------------------	------------------

<b>Improve WDPA</b>	<b>\$352,600</b>
---------------------	------------------

<b>Provide integrated data</b>	<b>\$493,640</b>
--------------------------------	------------------

<b>Coastal and Marine data</b>	<b>\$184,040</b>
--------------------------------	------------------

<b>Global Biodiversity Agenda</b>	<b>\$29,240</b>
-----------------------------------	-----------------

<b>Total</b>	<b>\$1,222,920</b>
--------------	--------------------



An aerial photograph of a savanna landscape. A winding river flows through the center of the image, surrounded by dense green vegetation. A dirt road runs parallel to the river on the right side. The background shows a vast expanse of savanna with scattered trees and a hazy horizon under a clear sky.

# Biodiversity Data

# World Database on Protected Areas (WDPA)

# Integrated Biodiversity Assessment Tool (IBAT)

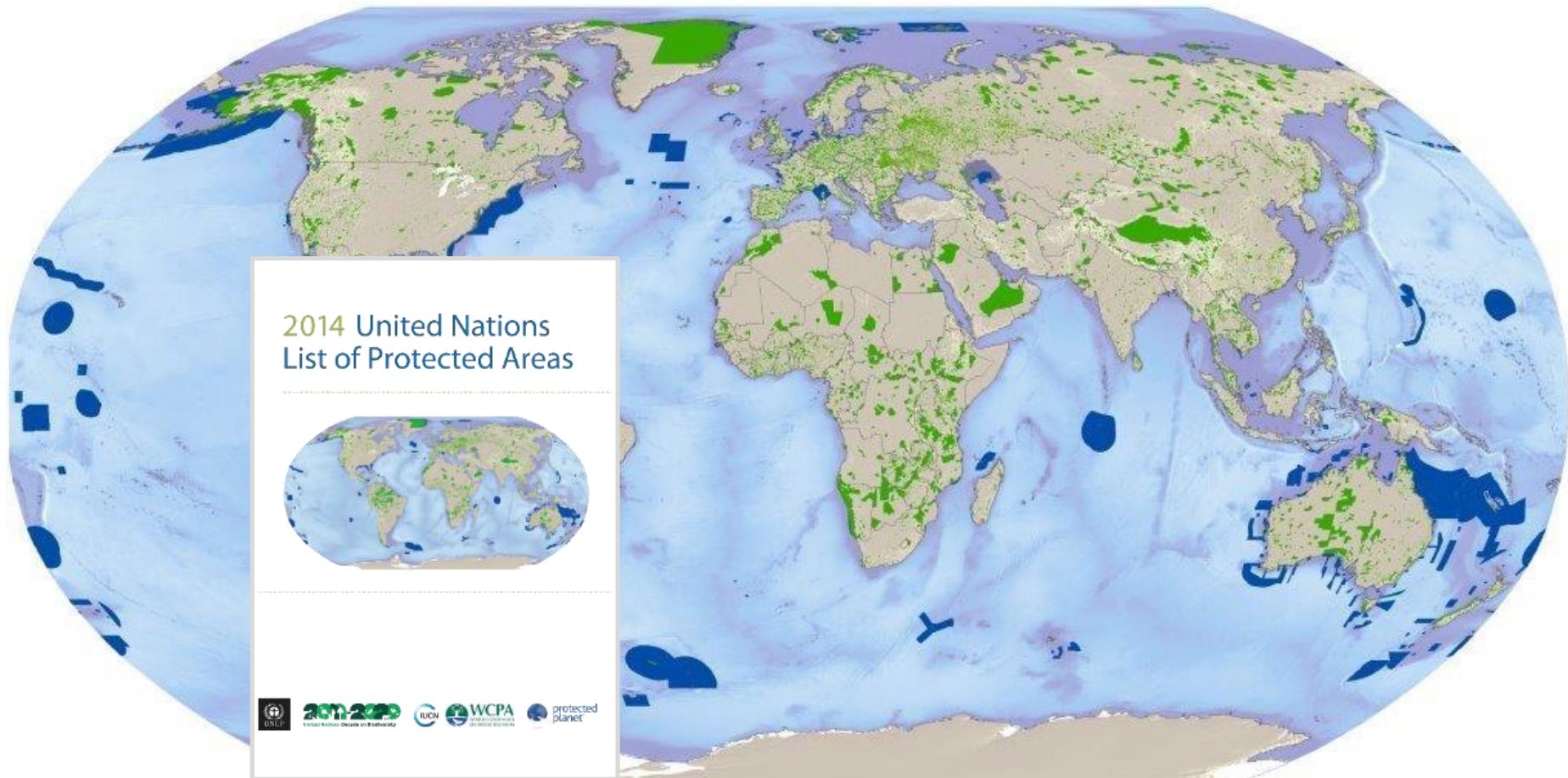
# Marine datasets



# World Database on Protected Areas (WDPA)



# 2014 : Largest update in the history of the WDPA



160 Countries /  
Territories Updated

86%  
Updated

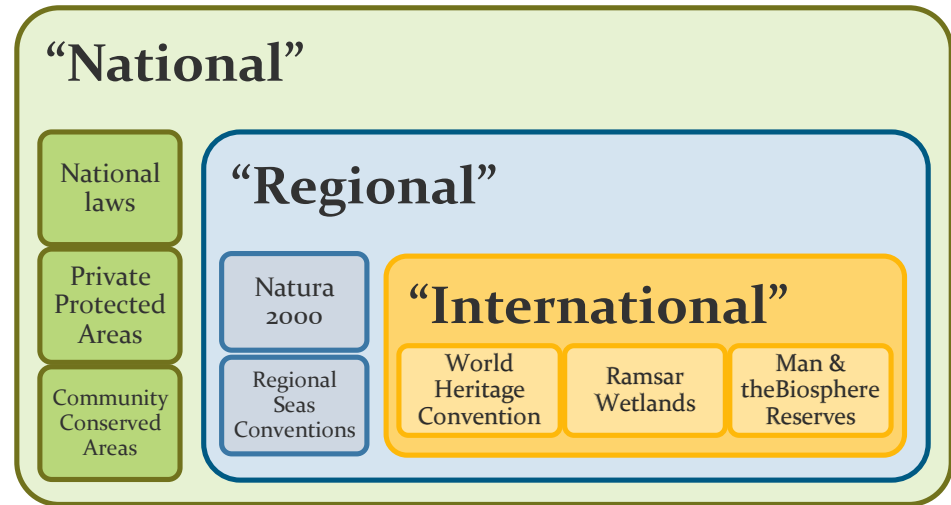
206,557  
Records

# WDPA Structure Update

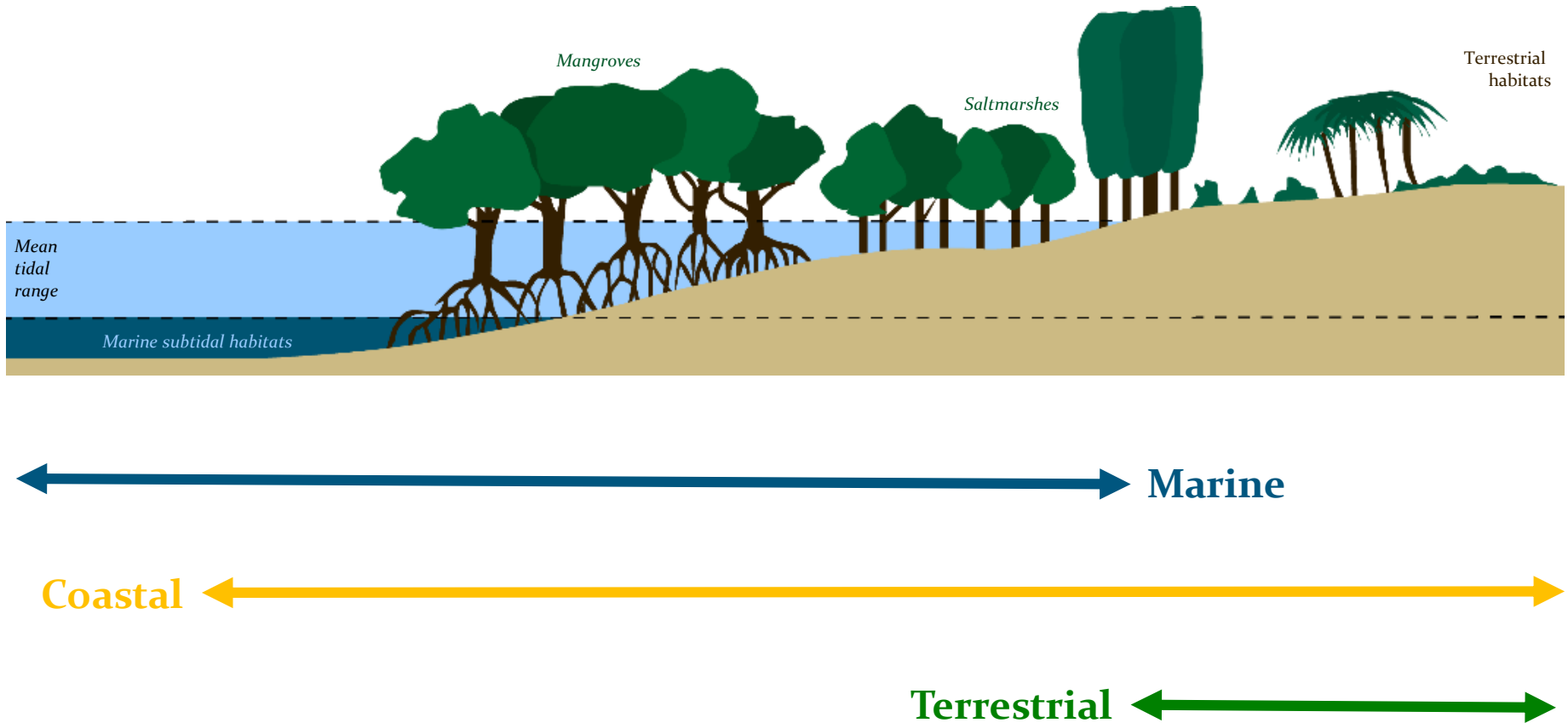
- New attribute fields
- New accepted values

WDPA\_poly\_June2015

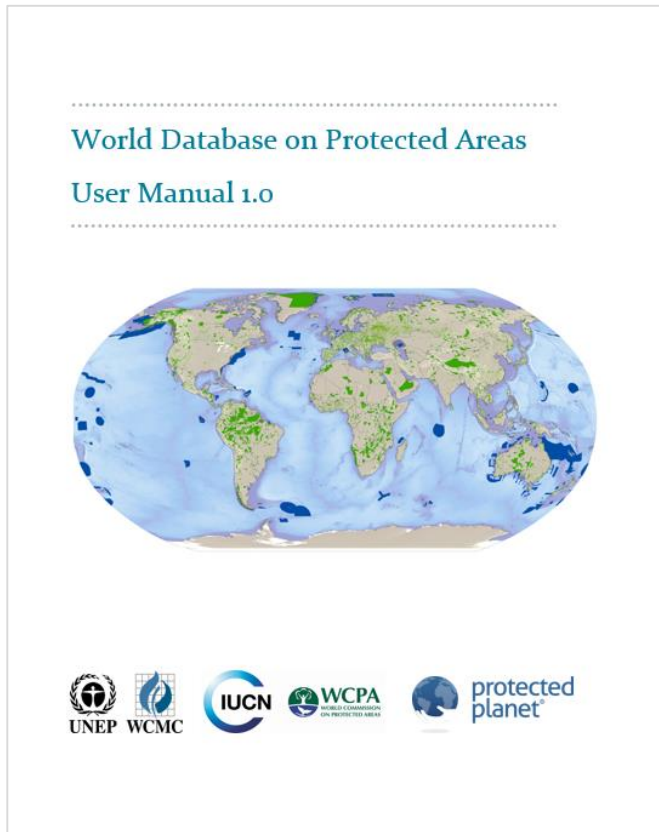
WDPAID	WDPA_PID	PA_DEF	NAME	DESIG_ENG	DESIG_TYPE	IUCN_CAT	INT_CRIT	MARINE	REP_AREA	GIS_AREA	OWN_TYPE	GOV_TYPE	NO_TAKE	STATUS	STATUS_YR	MANG_AUT	VERIF
5555222	55552221	1	Lindenberger Moos	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	1.06	1.057577	Not Reported	Federal or na	Not Reported	Designated	2000	Not Reported	State Verifie
5555222	55552222	1	Maierhöfer Moos	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	0.2752	0.27425	Not Reported	Federal or na	Not Reported	Designated	2004	Not Reported	State Verifie
5555222	55552222	1	Werdensteiner Moo	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	1.39	1.383293	Not Reported	Federal or na	Not Reported	Designated	2000	Not Reported	State Verifie
5555222	55552223	1	Senkele	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	1.59	1.588271	Not Reported	Federal or na	Not Reported	Designated	2000	Not Reported	State Verifie
5555222	55552225	1	Untersberg	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	35.14	35.031705	Not Reported	Federal or na	Not Reported	Designated	2000	Not Reported	State Verifie
5555222	55552226	1	Bodenseeuferlands	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	13.6344	13.59498	Not Reported	Federal or na	Not Reported	Designated	2004	Not Reported	State Verifie
5555222	55552226	1	Unterreitnauer Moos	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	0.58	0.577937	Not Reported	Federal or na	Not Reported	Designated	2004	Not Reported	State Verifie
5555222	55552226	1	Naturschutzgebiet '	Site of Community Impor	Regional	Not Reporte	Not Applicable	0	1.74	1.733569	Not Reported	Federal or na	Not Reported	Designated	2000	Not Reported	State Verifie
93290	93290	1	Messel Pit Fossil Sit	World Heritage Site	International	Not Applica	(viii)	0	0.42	0.415758	Not Reported	Not Reported	Not Applicabl	Inscribed	1995	Not Reported	Not Reported



# Marine Protected Areas



# Manual



What is the WDPA?

WDPA Data standards

How is the WDPA compiled?

Using the WDPA

- How to interpret the WDPA attributes ?
- Why do many protected areas overlap ?
- Why are some features misaligned ?
- How to include point data in analyses ?
- How to identify transboundary protected areas?

# Integrated Biodiversity Assessment Tool (IBAT)



# IBAT data

Dataset	Total records
WDPA	206,557
Key Biodiversity Areas	14,446
Red List of Threatened Species	23,009
<i>Terrestrial/marine species grid (CR, EN, VU, NT, DD)</i>	<i>14,308</i>
<i>Freshwater grid</i>	<i>8,701</i>

Regular updates

New layer on



➤ *New IBAT data manual*

# New freshwater grid

Map Viewer

New site Load Map layers

**Species**

- Species Grid
- Freshwater Biodiversity

Species Grid	
Number of species	13

Map Viewer

New site Load Map layers

**\*new\* catchment boundaries**

**Species**

- Species Grid
- Freshwater Biodiversity

Freshwater Biodiversity	
Hydroshed NAMR_93359	Species list

# Optional extra: Species ranges in IBAT



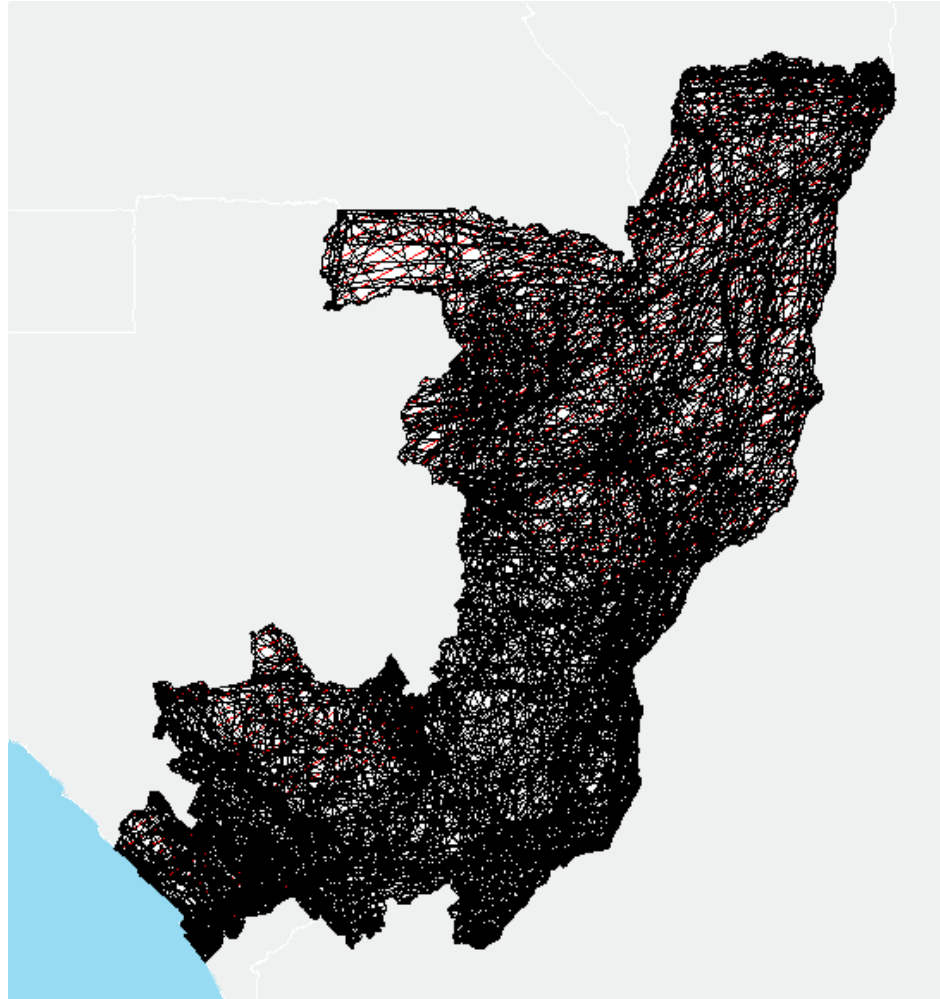
Least Concern

Near Threatened

Vulnerable

Endangered

Critically  
Endangered

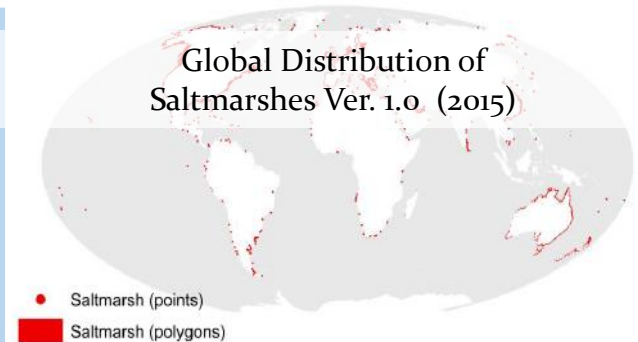
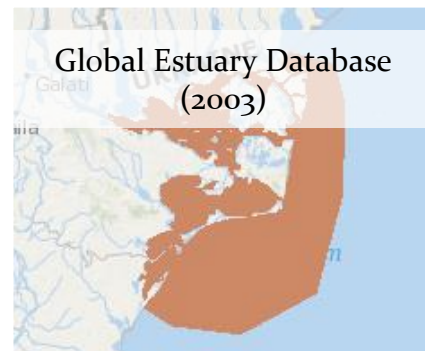
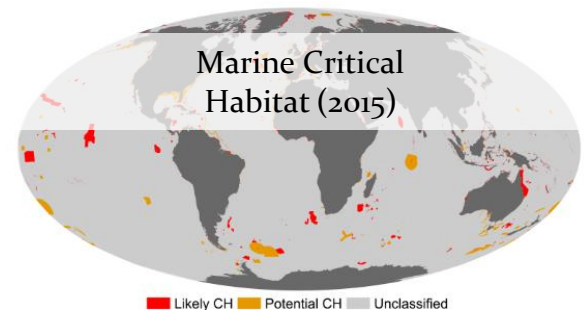
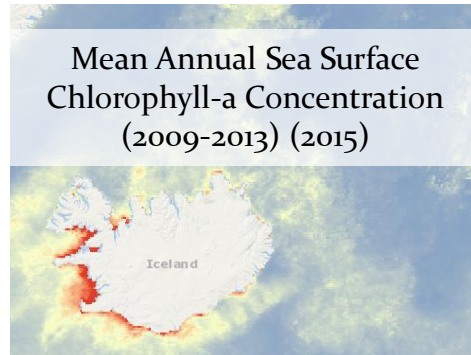
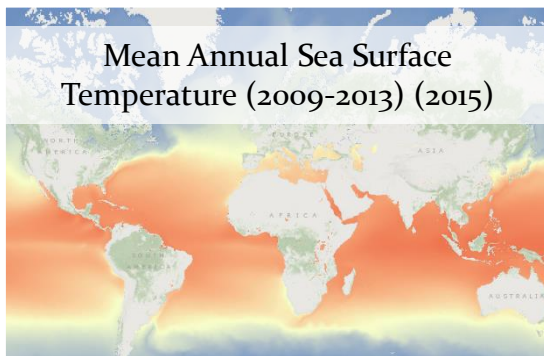


# Marine datasets



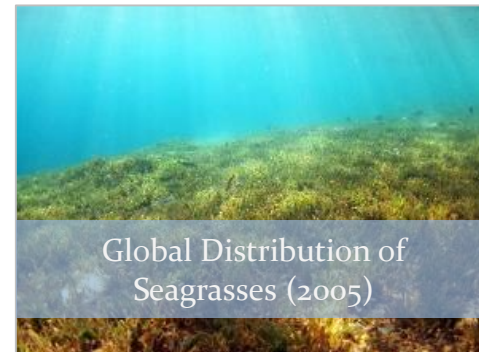
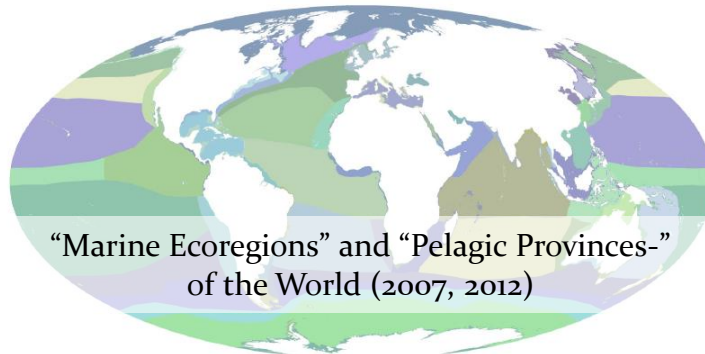
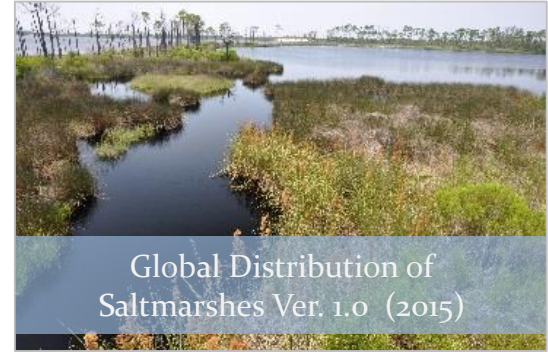
# Marine Datasets

## 6 new datasets



# Marine Datasets

*5 updated datasets*



# Marine Datasets

## *Improved distribution*

- 3 data packs
- 15 new datasets on the **OCEAN DATA VIEWER** (total: 31 datasets)

**Mean Annual Sea Surface Temperature 2009-2013 (2015)**

**Mean Annual Sea Surface Chlorophyll-a Concentration**

Word Database on Protected Areas

Global Map of Shannon's Index of Biodiversity

**Global Map of Hurlbert's Index of Biodiversity**

**Global Distribution of Sperm Whales (2013)**

**Global Distribution of Sei Whales (2013)**

**Global Distribution of Bowhead Whales (2013)**

**Global Distribution of Northern Bottlenose Whales (2013)**

**Global Distribution of Atlantic Spotted Dolphins (2013)**

**Global Distribution of Melon-Headed Whales (2013)**

**Global Distribution of Hector's Dolphins (2013)**

**Global Distribution of Grey Seals (2013)**

**Global Distribution of Hawaiian Monk Seals (2013)**

**Global Distribution of Northern Fur Seals (2013)**

Pelagic Provinces of the World (2012)

Global Distribution of Mangroves USGS (2011)

Global Distribution of Coral Reefs (2010)

World Atlas of Mangroves (2010)

Global Patterns of Marine Biodiversity (2010)

Mean Sea Surface Productivity in June 2003-2007 (2008)

Mean Annual Sea Surface Temperature 2003-2007 (2008)

Marine Ecoregions of the World (2007)

Global Distribution of Cold-water Corals (2005)

Global Distribution of Seagrasses (2005)

Global Distribution of Coral Reefs - 1km Data (2003)

**Global Seagrass Species Richness (2003)**

**Global Estuary Database (2003)**

**Global Distribution of Dive Centres (2001)**

Global Distribution of Sea Turtle Feeding Sites (1999)

Global Distribution of Sea Turtle Nesting Sites (1999)

World Mangrove Atlas (1997)

 **Updates to marine data manual**



# Proteus Resources

## Accessing information

[IBAT](#)

[Protected Planet](#)

[Ocean Data Viewer](#)

[Biodiversity A-Z](#)

[Proteus Website](#)

## Use of data

[Critical Habitat](#)


[World Parks Congress and WDPA](#)

# Integrated Biodiversity Assessment Tool






### Explore Data




Map Viewer



Country Profile




Data in IBAT




Data Download

### Toolkit



Proximity


### My Account



My Sites



My Reports



Profile



Help



Proximity



Guidance

Generate

Reports

Catalogue

Site name

Filter

Reset

Site name	Report options	Date generated	
canada	Buffers: 5 km 20 km 30 km	2015-05-28	
Hashima, Japan	Buffers: 5 km 10 km 20 km	2015-05-28	
ko Phing Kan, Thailand	Buffers: 5 km 10 km 20 km	2015-05-28	
poland	Buffers: 5 km 20 km 30 km	2015-05-18	
Site X	Buffers: 5 km 10 km 20 km	2015-05-28	
Swiss Alps	Buffers: 5 km 10 km 20 km	2015-05-28	
Swiss alps piz gloria	Buffers: 5 km 10 km 20 km	2015-05-28	
training 3.12.12	Buffers: 5 km 20 km 50 km	2015-05-18	

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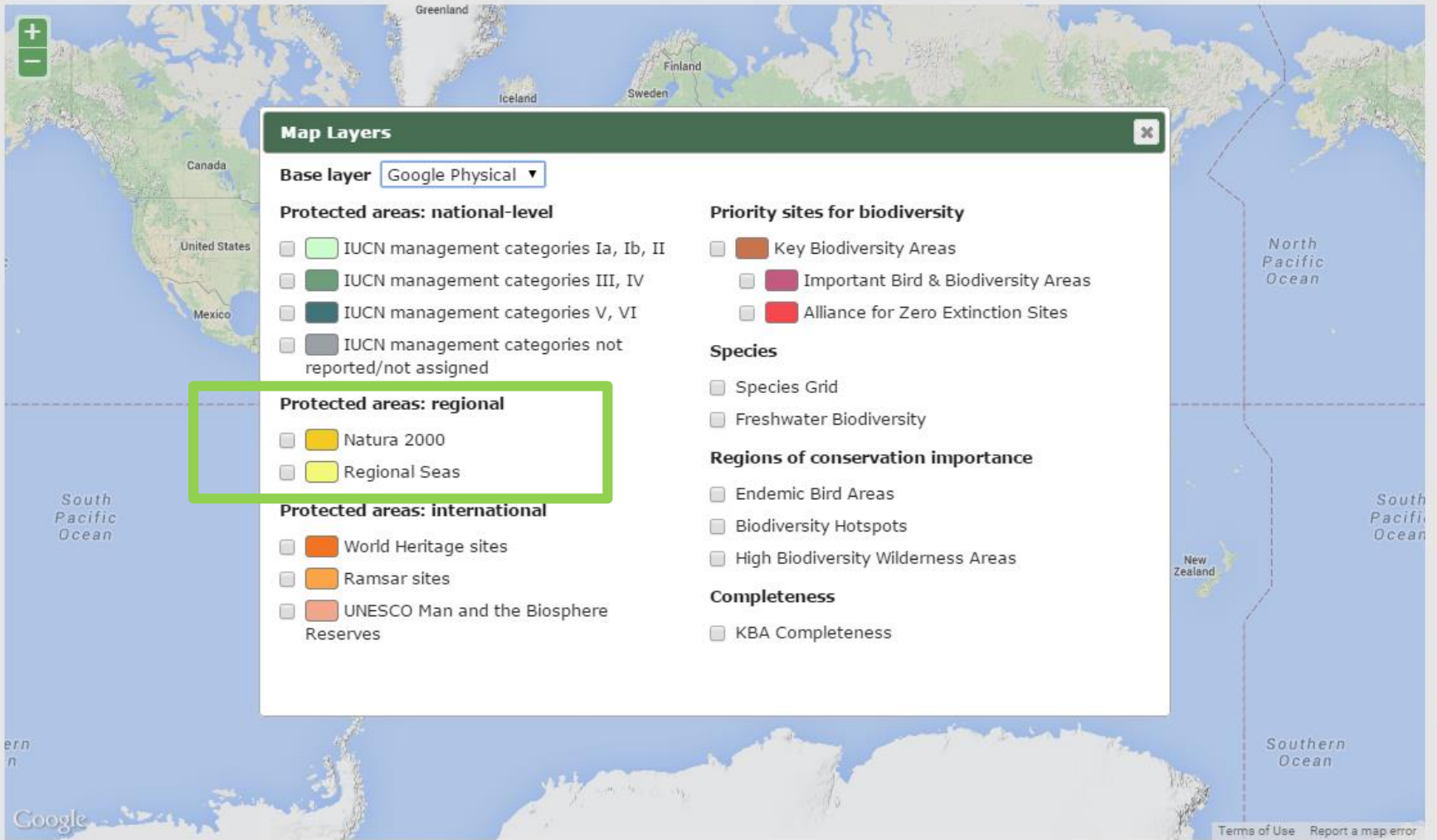
Map Viewer



New site

Load

Map layers





# Protected Planet





Terrain

Satellite



Start Exploring

# Protected Planet – New Interface

Download  
WDPA dataset



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# Country Pages



Bolivia (Plurinational State of), Latin America and Caribbean

75 Protected Areas

Compare Countries

DOWNLOAD  
WDPA DATASET



Protected Areas Value  
**270,603** km<sup>2</sup>  
270,603 km<sup>2</sup> Land - 0 km<sup>2</sup> Marine  
25% Protected



25%

0%

Land Area Protected

Marine Area Protected

1,089,909  
Km<sup>2</sup> Land Area

0  
Km<sup>2</sup> Marine Area

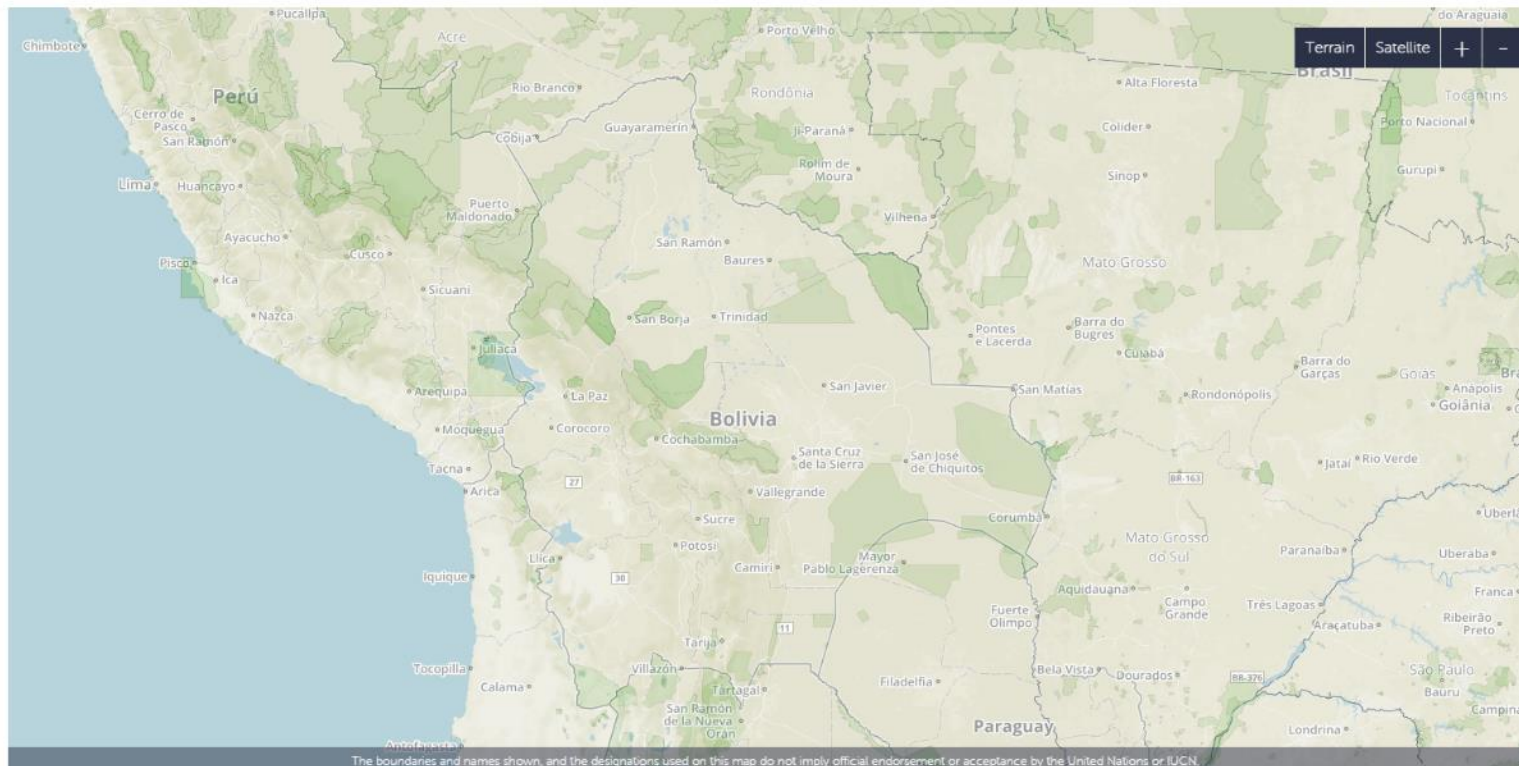
270,603  
Km<sup>2</sup> Protected

0  
Km<sup>2</sup> Protected

Conservation Statistics

**75** Protected Areas  
**25%** Protected

42 Protected Areas have an IUCN Category. IUCN has defined a series of six protected area management



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# Compare Countries Feature

Brazil, Latin America and Caribbean

Comparing: Madagascar, Africa

Compare Countries

DOWNLOAD  
WDPA DATASET



699 Protected Areas have an IUCN Category. IUCN has defined a series of six protected area management categories, based on primary management objectives.

54 Protected Areas have an IUCN Category. IUCN has defined a series of six protected area management categories, based on primary management objectives.

# Ocean Data Viewer



# Rebuild of the Ocean Data Viewer

The screenshot displays the 'OCEAN DATA VIEWER' interface. On the left, a sidebar titled 'Select dataset(s) to view' lists four datasets, each with an 'Environmental descriptor' and 'Publication date':

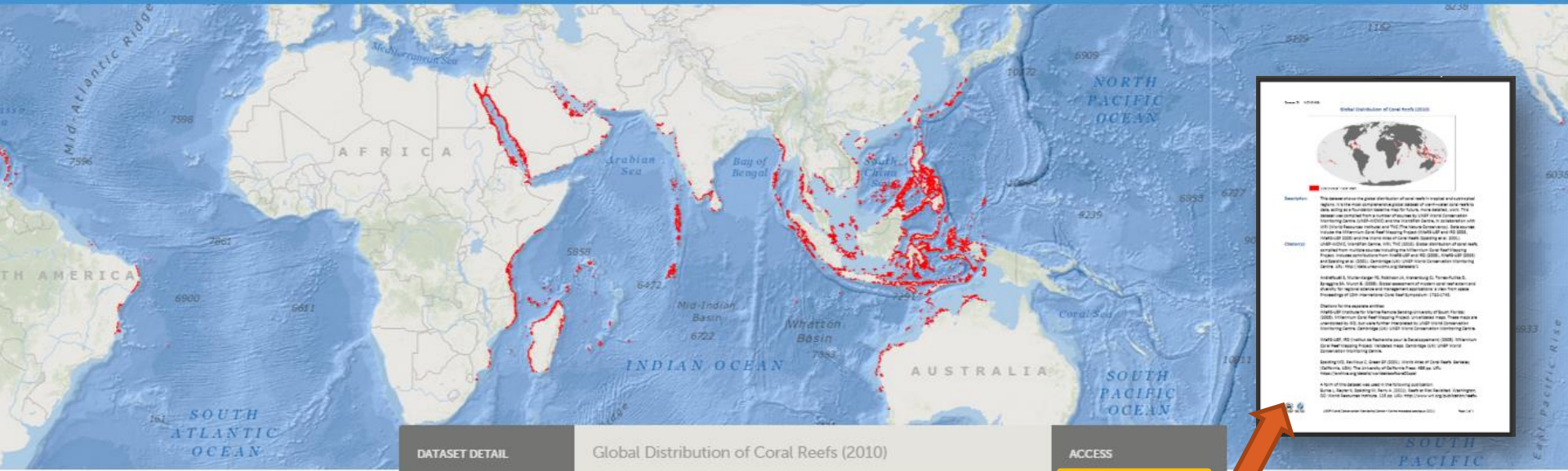
- Mean Annual Sea Surface Temperature 2009-2013 (2015)**: Environmental descriptor, Publication date: 2015.  Raster
- Mean Annual Sea Surface Chlorophyll-a Concentration 2009-2013 (2015)**: Environmental descriptor, Publication date: 2015.  Raster
- World Database on Protected Areas**: Area of biodiversity importance, Publication date: 2014.  Polygon,  Point
- Global Map of Shannon's Index of Biodiversity**: Biodiversity metric, Publication date: 2014.  Raster

The main map area shows a world map with ocean basins and features labeled, including the Mid-Atlantic Ridge, Gulf of Mexico, Caribbean Sea, North American Basin, South American Basin, Argentine Basin, Indian Ocean, and various basins in the Pacific and Atlantic. A 'SEARCH & FILTER' button is visible at the top left of the map area. The bottom of the interface includes logos for 'funded by proteus partners for a wiser world', a disclaimer: 'The boundaries and names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations.', and a footer with 'All rights reserved. UNEP Terms and Conditions' and 'UNEP WCMC' logos.



# Search and Filter

The screenshot displays the 'OCEAN DATA VIEWER' interface. On the left, a list of datasets is visible, including 'Global Distribution of Coral Reefs (2010)', 'Global Patterns of Marine Biodiversity (2010)', 'Global Distribution of Cold-water Corals (2005)', and 'Global Distribution of Coral Reefs - 1 Km Data (2003)'. A 'Dataset search & filters' panel is overlaid on the map, containing a search box with the text 'coral', a 'Sort by' dropdown set to 'Publication date', a 'Category' dropdown set to 'Any', and a 'Format' dropdown set to 'Any'. Below these are 'Advanced filters', 'Search', and 'Reset' buttons. The background is a bathymetric map of the Indian Ocean and surrounding regions, with labels for 'AFRICA', 'ASIA', 'INDIAN OCEAN', 'SOUTH ATLANTIC OCEAN', 'Arabian Sea', 'Bay of Bengal', 'South China Sea', 'Mid-Indian Basin', 'Wharton Basin', 'Southwest Indian Ridge', and 'Argentine Basin'. The map includes zoom controls and a 'powered by esri' logo. At the bottom, it says 'Leaflet | GEBCO, IHO-IOC GEBCO, NGS, DeLorme' and 'All rights reserved.'.



**DATASET DETAIL**

**Global Distribution of Coral Reefs (2010)**

**DESCRIPTION**

This dataset shows the global distribution of coral reefs in tropical and subtropical regions. It is the most comprehensive global dataset of warm-water coral reefs to date, acting as a foundation baseline map for future, more detailed, work. This dataset was compiled from a number of sources by UNEP World Conservation Monitoring Centre (UNEP-WCMC) and the WorldFish Centre, in collaboration with WRI (World Resources Institute) and TNC (The Nature Conservancy). Data sources include the Millennium Coral Reef Mapping Project (IMaRS-USF and IRD 2005, IMaRS-USF 2005) and the World Atlas of Coral Reefs (Spalding et al. 2001).

**CITATION**

UNEP-WCMC, WorldFish Centre, WRI, TNC (2010). Global distribution of warm-water coral reefs, compiled from multiple sources including the Millennium Coral Reef Mapping Project. Includes contributions from IMaRS-USF and IRD (2005), IMaRS-USF (2005) and Spalding et al. (2001). Cambridge (UK): UNEP World Conservation Monitoring Centre. URL: <http://data.unep-wcmc.org/datasets/1>

Citations for the separate entities:  
 IMaRS-USF (Institute for Marine Remote Sensing-University of South Florida) (2005). Millennium Coral Reef Mapping Project. Unvalidated maps. These maps are unendorsed by IRD, but were further interpreted by UNEP World Conservation Monitoring Centre. Cambridge (UK): UNEP World Conservation Monitoring Centre

IMaRS-USF, IRD (Institut de Recherche pour le Développement) (2005). Millennium Coral Reef Mapping Project. Validated maps. Cambridge (UK): UNEP World Conservation Monitoring Centre

Spalding, M.D., Drilling, C., Green, P.D. (2001). World Atlas of Coral Reefs

**ACCESS**

- Download
- Metadata
- Factsheet
- ArcGIS

**LAST PAGE UPDATE**

29/05/15

# Biodiversity A-Z



# Expansion of the Biodiversity A-Z

BIODIVERSITY **a-z**



[ABOUT](#) | [BROWSE THEMES](#)

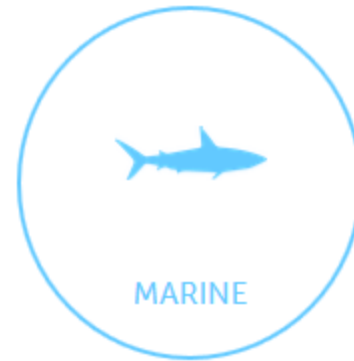
Concise and authoritative information about biodiversity

Search

All themes ▼

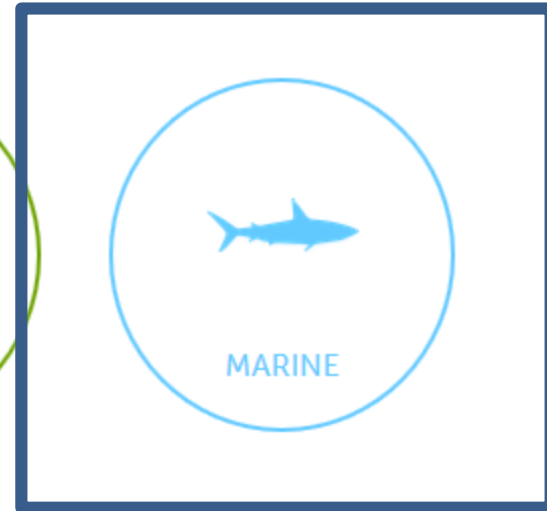


Browse by theme:



ABNJ KBA LC MAB ASCOBANS  
BINGO BES NBSAP PADDD CSO  
CBD ROAP TESSA EEZ SEEA  
GEOSS UNCCD WAVES WHC IMO  
JNCC ISA IPCC TEEB FAO RSPO  
EBI DRC PSSA DPC SAC CEPF  
OBIS OUV NBSAP CCAMLR PAGE  
ESIA SCBD UNESCO HCV IAIA  
EDGE SSC GMO VME IWC IFL  
DRC PSSA ASEAN IMMA MAB IBA

Browse by theme:



# BIODIVERSITY **a-z**

## MARINE MODULE

### New Factsheets and Definitions

- Regional Seas Conventions
- Mangrove
- Cold-water coral
- Seagrass beds
- Saltmarsh
- Seamount
- Particularly Sensitive Sea Areas (PSSA)
- Vulnerable Marine Ecosystem (VME)
- Ocean Acidification
- Pelagic
- Ballast water

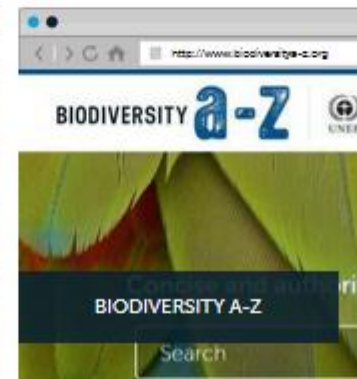
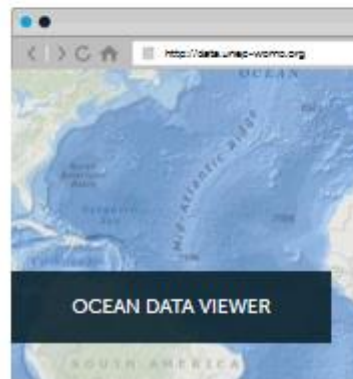
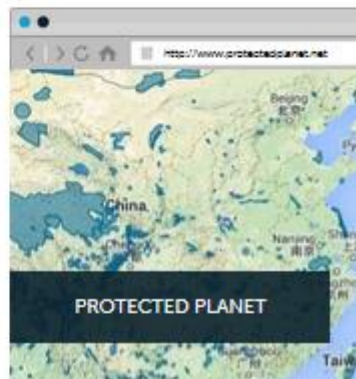


# Proteus Website



# Improving global data and strengthening business approaches for biodiversity management

## Tools



## Resources

TECHNICAL BRIEFING NOTES

WDPA DATA FACTSHEETS

GLOBAL BIODIVERSITY AGENDA

DATA, MANUALS AND TRAINING

DOCUMENTS FROM MEETINGS

ADMINISTRATION

[SEE ALL RESOURCES](#)

OR

### Latest Resources Updates

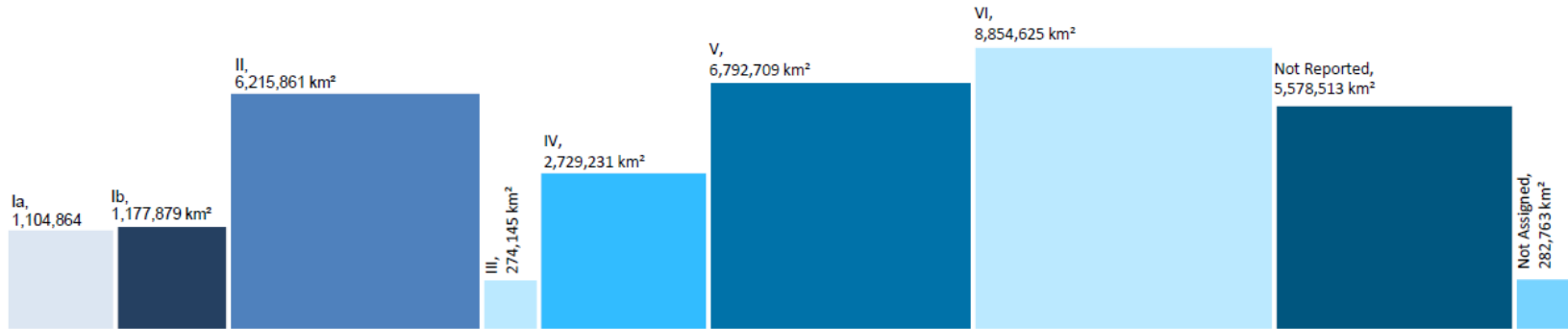
- + The WDPA in areas : January 2015
- + WDPA Marine and coastal reclassification
- + WDPA User Manual 1.0
- + The WDPA in numbers: June 2015
- + WDPA data status report: June 2015
- + Data available through Proteus
- + Global Biodiversity Agenda Series 8: Terminology Explained

## About Proteus

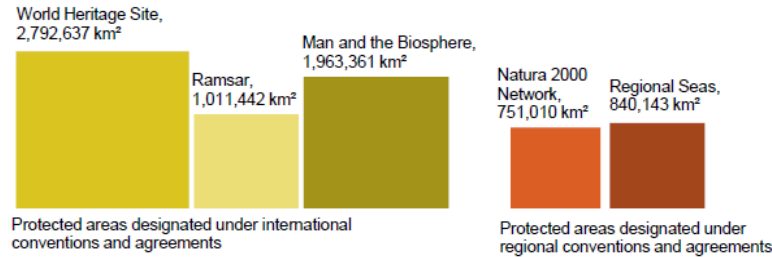
Proteus is a forum of leading extractives companies who collaborate with UNEP's specialist biodiversity assessment arm: UNEP World Conservation Monitoring Centre.

## Join Proteus

Since 2003, UNEP-WCMC has been providing companies with the information they need on biodiversity and ecosystem



National-level protected areas (by IUCN Management Category)



Protected areas designated under international conventions and agreements

Protected areas designated under regional conventions and agreements

Scale:  
100,000 km<sup>2</sup>

## The WDPA by Area

Coverage (km<sup>2</sup>) of national-level protected areas and protected areas designated under regional or international conventions and agreements in the WDPA, January 2015.

Size is proportional to the area covered by protected areas based on the January 2015 release of the World Database on Protected Areas (WDPA). Areas are calculated in Mollweide projection. Overlap within the same IUCN management category or designation was removed. *Due to overlap between categories and designations, areas cannot be further combined.*

Categories

- Technical Briefing Notes
- Wdpa Data Factsheets
- Global Biodiversity Agenda
- Data, Manuals and Training
- Documents from Meetings
- Administration

Search



Technical Briefing Notes

Papers which support the application and interpretation of deliverables of Proteus, and better understanding of the broader field of business and biodiversity.

- + 2014 United Nations List of Protected Areas
- + 'A global map to aid the identification and screening of critical habitat for marine industries' & Supplementary Material
- + 'Evaluating official marine protected area coverage for Aichi Target 11'

Absence of evidence is not evidence of absence

Working with data deficiency in global biodiversity spatial datasets

The absence of data is not evidence of absence. This paper discusses the challenges of working with data deficiency in global biodiversity spatial datasets. It highlights the importance of understanding the limitations of data and the potential for bias in the resulting analyses. The paper also provides guidance on how to handle data deficiency in a transparent and systematic way.

Evaluating official marine protected area coverage for Aichi Target 11: appraising the data and methods that define our progress

This paper evaluates the official marine protected area (MPA) coverage for Aichi Target 11. It appraises the data and methods used to define the progress towards the target. The paper identifies key challenges and provides recommendations for improving the accuracy and reliability of MPA coverage data. It also discusses the implications of the findings for the implementation of Aichi Target 11.

Marine Policy

A global map to aid the identification and screening of critical habitat for marine industries

This paper presents a global map to aid the identification and screening of critical habitat for marine industries. The map is based on a comprehensive analysis of marine industry activities and their potential impacts on marine ecosystems. It provides a visual overview of the global distribution of critical habitat and offers a framework for identifying and screening potential impacts. The map is intended to support the development of marine policy and the implementation of Aichi Target 11.

Reclassifying marine, coastal and terrestrial protected area records in the WDPA

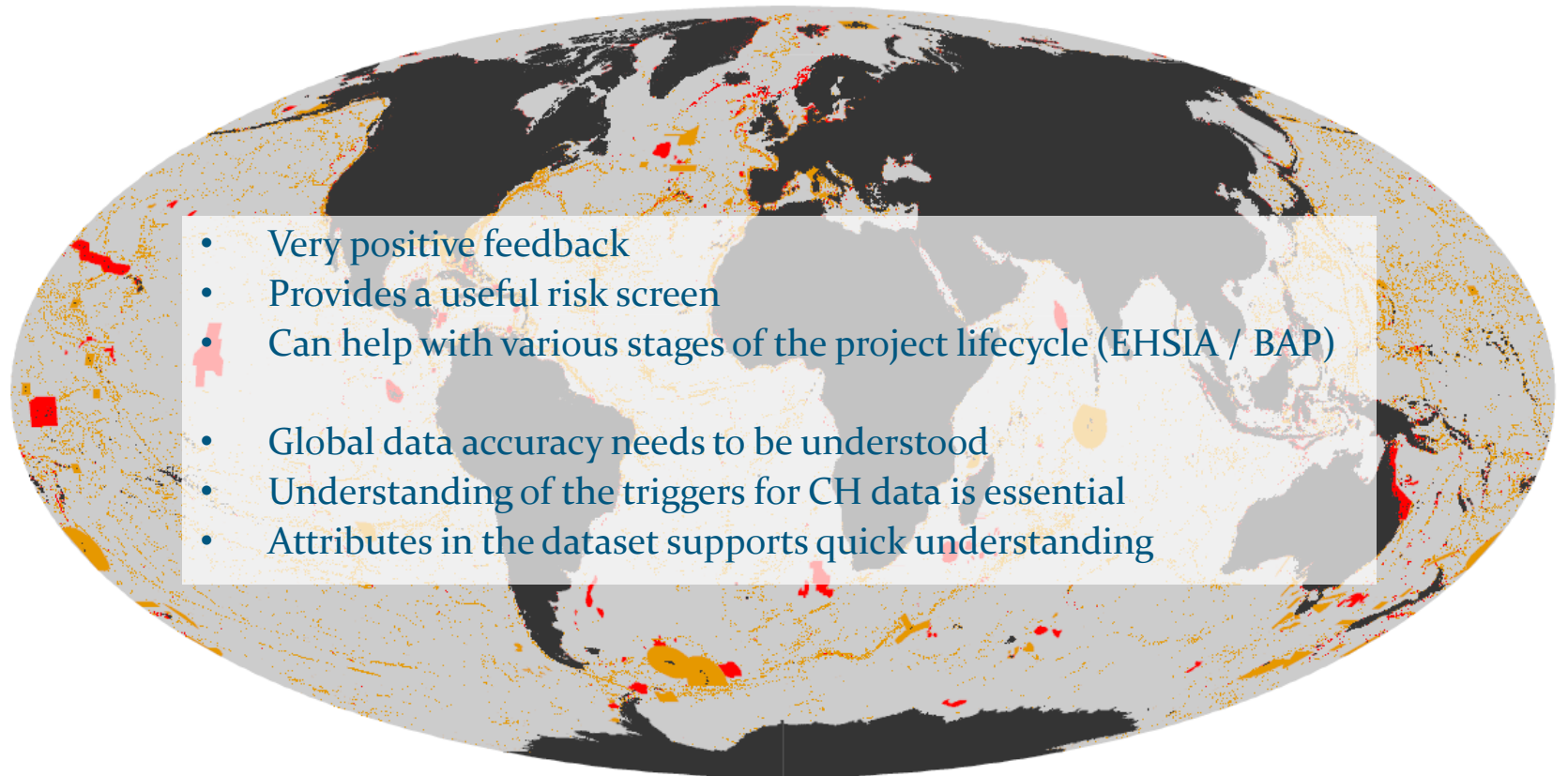
This paper discusses the reclassification of marine, coastal, and terrestrial protected area records in the World Database on Protected Areas (WDPA). It highlights the importance of accurate and consistent data for the effective management and monitoring of protected areas. The paper provides a detailed overview of the reclassification process, including the criteria used to determine the appropriate category for each record. It also discusses the implications of the reclassification for the global protected area network.

+ Protected Planet Report 2014

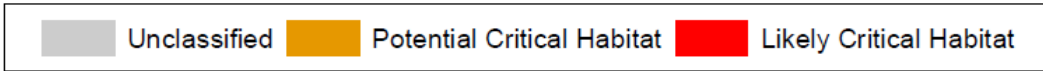
# Critical Habitat



# Marine Critical Habitat Feedback



- Very positive feedback
- Provides a useful risk screen
- Can help with various stages of the project lifecycle (EHSIA / BAP)
- Global data accuracy needs to be understood
- Understanding of the triggers for CH data is essential
- Attributes in the dataset supports quick understanding



Martin et al. (2015). A global map to aid the identification and screening of critical habitat for marine industries. Marine Policy 53: 45-53. doi: <http://dx.doi.org/10.1016/j.marpol.2014.11.007>



# World Parks Congress





protected planet

## World Database on Protected Areas

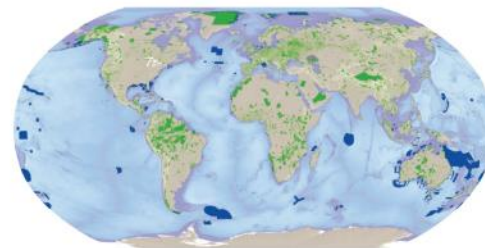
Core to Global Conservation Goals

Aichi Target 11

A central dataset to discussions at World Parks Congress



### 2014 United Nations List of Protected Areas



protected planet

# World Parks Congress

Co-organised Stream 1: Reaching Conservation Goals

Presented in Streams throughout the Congress

Promise of Sydney

Pavilion Events



Extractives sector:  
Oil and gas case studies on biodiversity and  
ecosystem services management approaches and  
conservation actions in and around protected areas

Protected Planet Pavilion, World Parks Congress

Monday 17<sup>th</sup> November 2014



UNEP



WCMC

proteus



IPIECA

# Solutions for operating near protected areas

- Creation / expansion of protected areas
- Community engagement
- Restoration of biodiversity features
- Species reintroductions
- Scientific research
- Management of invasive species
- Isolation of infrastructure
- Monitoring of biodiversity values
- No-net-loss approaches
- Monitoring of migratory species
- Net Positive Impact







# Proteus Partners Annual Meeting 2015

The Globe, London 9<sup>th</sup> and 10<sup>th</sup> June



UNEP



WCMC

# proteus



TOTAL



# RioTinto

