WORLD DATABASE ON PROTECTED AREAS

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Agenda

1. Introduction
2. World Database on Protected Areas (WDPA) overview
3. Current data for West Africa

1 Introduction

UNEP-WCMC

Who are we?

- Based in Cambridge, UK, UNEP-WCMC is the specialist Centre on biodiversity of UNEP. It operates as a collaboration between the UN Environment Programme and a UK non-profit organization WCMC.

- Created 40 years ago with the aim of being a world leader in biodiversity knowledge. We work with a global network of partners to put biodiversity at the heart of decision-making.

Our work on protected and conserved areas

Three main databases:

- The World Database on Protected Areas (WDPA)
- The World Database on Other Effective Area-based Conservation Measures (WD-OECM)
- The Global Database on Protected Area Management Effectiveness (GD-PAME)

Why does the data need to be up to date?

International level:

- Follow the progress towards achieving international conventions and objectives
- Online platforms use this data
- Data used towards numerous media and scientific journals
- Decision support tool
- Bringing together data and feeding into policy

proteus

Convention on Biological Diversity

IFC International Finance Corporation World Bank Group

Why does the data need to be up to date?

International level:

- In 2020 protected planet had 1.46 million webpage visits
- More than 290,000 data users (281,000 new users) from 232 countries and territories
- 80,000+ database downloads in 2020

Why does the data need to be up to date?

National and Regional level:

- A global platform to present your countries protected area network to the rest of the world
- A reference platform that includes data on all types of PAs
- Access to some grants require that the PA data be up to date on Protected Planet
- Allows for gap analyses and identifying priorities in the country or the region
- Information sharing

protected planet

Improved data quality over time…

…and an increase in cover

2 World Database on Protected Areas (WDPA)

WDPA

- Joint product between UNEP and IUCN and managed by UNEP-WCMC
- Provides authoritative and up-to-date information about protected areas and supports protected area decision-making
- Supports countries in their provision of coverage statistics towards reaching the quantitative aspects of CBD targets

Convention on Biological Diversity

Aichi Target 11

Draft Target 2

More than 265,000 protected areas and OECMs recorded from over 243 countries and territories

Source: UNEP-WCMC and IUCN (2020). Protected Planet: The World Database on Protected Areas (WDPA) and World Database on Other Effective Area-Based Conservation Measures (WD-OECM)[On-line], January 2021. Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

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Terrestrial protected areas | Marine and coastal protected areas | OECMs

IUCN WCPA

protectedplanet

Data Structure

WDPA =
& WD-OECM

1. GIS data (e.g. shapefiles)

Data Structure

- The WDPA stores up to 29 data attributes which describe each record in the WDPA (WD-OECM has 31)
- **A ‘minimum’ attribute** represents information that is mandatory
- **A ‘complete’ attribute** represents any information that is considered a priority for analysis and reporting on protected areas, but is not a mandatory requirement

WDPA =
& WD-OECM

Data Structure

Your best friend will be the WDPA User Manual

Minimum Attributes

Field Name	Accepted values
WDPAID	Assigned by UNEP-WCMC. Unique identifier for a protected area
PA_DEF	This attribute indicates whether the site meets the IUCN definition of a protected area (1 = WDPA) or the CBD definition of an OECM (0 = WD-OECM)
NAME	The name of a protected area or OECM is the name assigned to the site in legal texts or by its governance authority
ORIG_NAME	The name of a protected area or OECM in the native language
DESIG	The designation of the protected area or OECM in the native language
DESIG_TYPE	The category or type of protected area as legally/officially designated or proposed. Accepted values: National, Regional, International
REP_AREA	The total protected area/OECM extent, including marine, freshwater and terrestrial areas, in square kilometres
REP_M_AREA	The extent of the protected area or OECM that falls within the marine environment, in square kilometres.
STATUS	Accepted values: proposed, inscribed, adopted, designated, established
STATUS_YR	The year in which the current status came into effect (STATUS field) for the PA or OECM.

Data Structure

Your best friend will be the WDPA User Manual

Complete Attributes

Field Name	Accepted Values
IUCN_CAT	IUCN management category (Ia, Ib, II, III, IV, V, VI), not reported, not applicable, not assigned
NO_TAKE	No-take means that the taking of living or dead natural resources, inclusive of all methods of fishing, extraction, dumping, dredging and construction, is strictly prohibited in all or part of a marine protected area or OECM. (all, part, none, not reported, not applicable for terrestrial sites).
NO_TK_AREA	The no-take area is the total extent of the protected area or OECM, in square kilometres, which is a no-take zone.
GOV_TYPE	The governance type describes the entity responsible and accountable for making decisions about how a protected area or OECM is managed.
OWN_TYPE	Ownership type is often independent of governance and management structures. It is the individual, organization or group that holds legal ownership of the land or waters under management.
MANG_AUTH	The management authority is the agency, organization, individual or group that manages the protected area or OECM
MANG_PLAN	The link or reference to the managment plan for the site, if it exists.
SUB_LOC	The Sub-National Location field is stored as an ISO 3166-2 sub-national code
CONS_OBJ	This field is present in the OECM database only, and not the WDPA. It refers to the primacy of conservation objectives.
SUPP_INFO	This field is present in the OECM database only, and not the WDPA. It provides a link or reference to information supporting the categorization of the site as an OECM.

Updating the databases

Summary of workflow

- More than 500 sources (data providers)
- Data sharing agreements

BIOPAMA workflow – roles and responsibilities

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OBAPAO:

- responsible for the direct liaison with national data providers
- responsible for ensuring that the data conforms to Protected Planet standards
- maintains appropriate data contributor agreements with national data providers

UNEP-WCMC:

- performs quality checks and integrates data into Protected Planet
- For new sites, assigns WDPAID

3 Current data for West Africa

Statistics

- 2,399 protected areas in the region are in the WDPA (May 2021)
- 0 OECMs for the region in the WD-OECM yet…
- 113 PAs with management effectiveness evaluations in the GD-PAME

Senegal

136

Total Protected Areas

15 With management effectiveness evaluations

- Terrestrial Protected Areas
- Marine Protected Areas
- Other effective area-based conservation measures

0

Total Other effective area-based conservation measures

Polygons/Points ratio

Polygons 96% Points 4%

Map Disclaimer

The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

www.protectedplanet.net**/country/SEN**

Country	Number of PAs	Proportion polygones	Terrestrial area coverage	Target	Marine area coverage	Target	Year of last update	GD-PAME
Nigeria	1,001	97%	14%	10%	<1%	10%	1978/2007*	13
Sierra Leone	50	72%	9%	17%	<1%	10%	1990/1999/2003 /2014*	10
Liberia	19	74%	4%	10%	<1%	5%	2017*	8
Gambia	24	100%	8%	5%	<1%	10%	2020	9
Ghana	313	91%	15%	17%	<1%	10%	2020	9
Cabo Verde	7	100%	3%	20%	0%	5%	2008	3

Country	No. of PAs	% Polygons	Terrestrial coverage	Aichi 11	Marine coverage	Aichi 11	Year of last update (national PAs)	GD-PAME
Bénin	64	47%	30%	17%	0%	0%	1984/1993*	0
Burkina Faso	112	98%	16%	17%	-	0%	2021	0
République de Côte d'Ivoire	255	95%	23%	17%	<1%	10%	2020/2016*	0
Sénégal	136	96%	25%	17%	1%	10%	2021/2007*	15
Guinée	126	89%	36%	17%	<1%	10%	2020/ 1989/2004*	14
Guinée-Bissau	33	73%	26%	26%	9%	26%	2020	9
Mali	136	100%	8%	15%	-	-	2020	0
Mauritanie	9	44%	<1%	17%	4%	10%	1993/2005*	8
Niger	27	67%	18%	17%	-	-	2020	11
Togo	87	79%	28%	10%	<1%	10%	2020	4

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Thank you

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