

WDPA Data Status Report

The World Database on Protected Areas

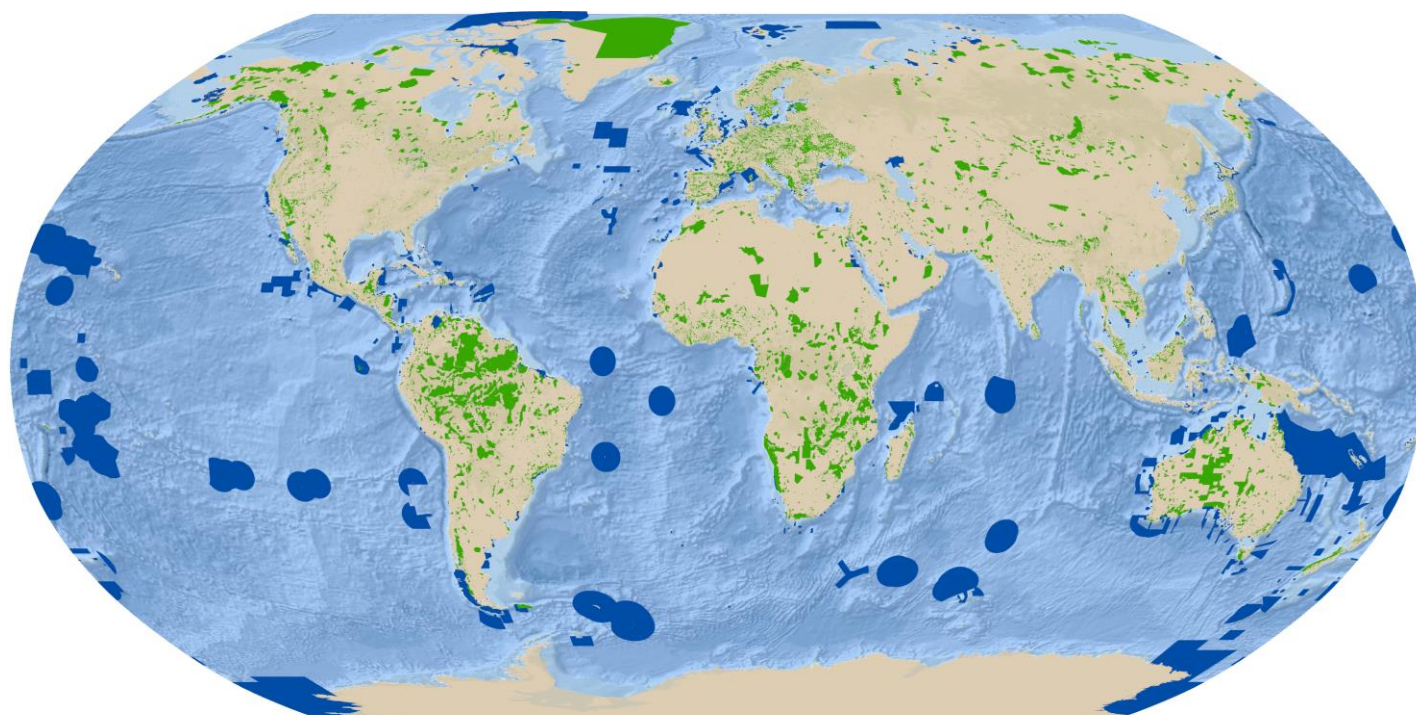
December 2020

About this Report and the World Database on Protected Areas (WDPA)

The WDPA is the most comprehensive global dataset on terrestrial and marine protected areas, incorporating the official UN List of Protected Areas. The WDPA dataset is not necessarily a complete representation of all the protected areas which have been designated in country. The quality of the WDPA depends on the accessibility of accurate, comprehensive, up-to-date protected areas information from data holders.

This report describes the current status of data in the WDPA for all sites included in the December 2020 monthly release.

Map showing protected areas in the WDPA

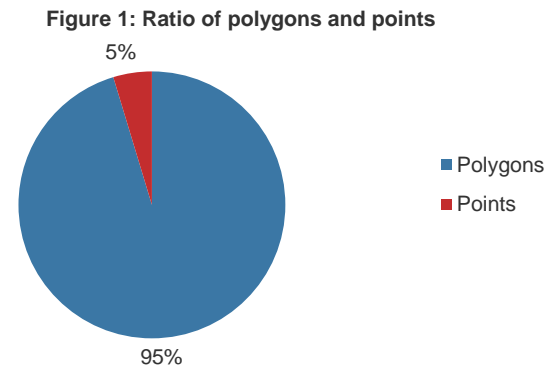


Source: UNEP-WCMC and IUCN (2020). Protected Planet: The World Database on Protected Areas (WDPA) [On-line], December 2020, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

■ Terrestrial protected areas ■ Marine and coastal protected areas

Protected areas data in the WDPA

There are 250,281 protected area records stored in the WDPA. 216,467 are national-level protected areas with 33,741 designated under international and regional agreements or conventions. 95% of the data have boundaries in polygon format, with the remaining 5% depicted in point format (i.e. a single latitude and longitude point for the protected area). See Figure 1.



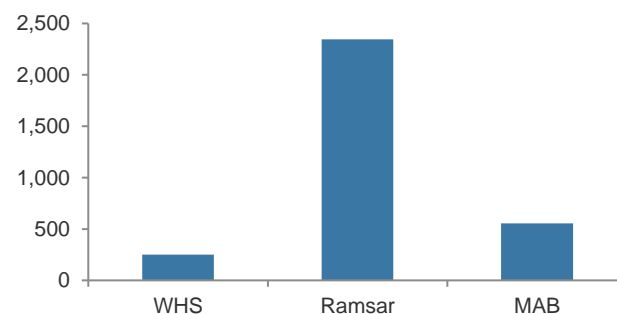
Of the 250,281 protected areas, 17,676 (7%) include a marine or coastal component. These protected areas may be either partially or completely within the marine environment.

Data for protected areas designated under international conventions and agreements

There are 3,148 protected areas in the WDPA designated under international conventions or agreements.

249 are World Heritage sites (WHS), 2,346 are Ramsar Wetlands of International Importance, 553 are UNESCO Man and the Biosphere Reserves (MAB). See Figure 2.

Figure 2: Sites designated under international conventions and agreements



Data for protected areas designated under regional conventions and agreements

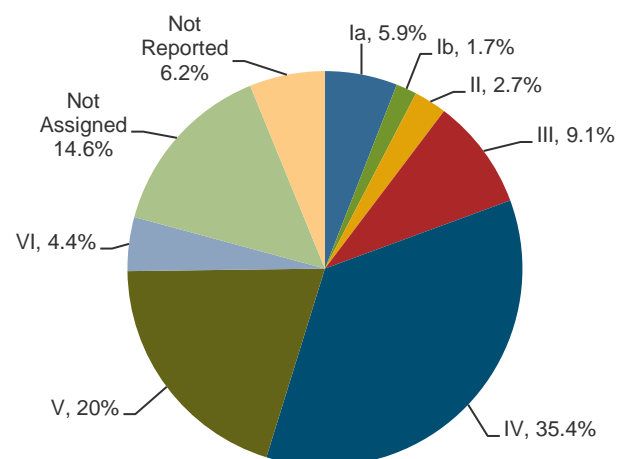
There are 30,593 protected areas in the WDPA designated under regional conventions or agreements. 29,854 are Natura2000 sites and 739 sites are designated under regional seas conventions.

Data for national-level protected areas

There are 216,467 national-level protected area records in the WDPA. IUCN Management Categories have been reported for 171,453 of these records. The remaining 45,014 are recorded as Not Reported and Not Assigned.

Figure 3 shows the allocation of IUCN Management Categories across national-level protected area records in the WDPA (numbers of sites in each category are shown in Table 2 at the end of this report).

Figure 3: National-level protected areas by IUCN Management Category



Data for areas protected by local communities, indigenous people and private entities, through non-legal means

There are 73 records in the WDPA that are established through non-legal means.

Completeness of WDPA Data Attributes

The WDPA requires that a minimum set of information is provided with each protected area record. These data attributes are defined by the WDPA Data Standard.

Table 1 shows the extent to which key attributes have been reported by data providers for all protected area records in the WDPA.

Table 1: Completeness of selected attributes

Attribute	Completeness
IUCN Category	79%
Status (designated or proposed)	99.5%
Status Year	89%
Governance Type	92%
Management Authority	46%
Link to Management Plan	100%

The WDPA User Manual 1.6 can be viewed at http://wcmc.io/WDPA_Manual.

Data sources in the WDPA

Data for protected area records in the WDPA have been obtained or validated from over 400 sources.

Figure 4 shows the breakdown of when protected area records in the WDPA were last updated or validated.

Data for protected areas designated under international agreements and conventions have been sourced from the relevant convention secretariat. This includes: UNESCO World Heritage Centre, Ramsar Convention Secretariat and UNESCO Man and The Biosphere Programme.

Data for national-level protected areas in the WDPA have been sourced from national authorities wherever possible. Information may also be supplemented by data from other agencies or organisations working in each country. As part of the update process for national data, national authorities are given the opportunity to review, validate and, where necessary, edit all existing WDPA records for their country. All updates to the WDPA by national authorities take priority over other sources and are considered to be the authoritative version.

There are 802 records in the WDPA with no reported source.

Figure 4: Percentage of records updated or validated by year

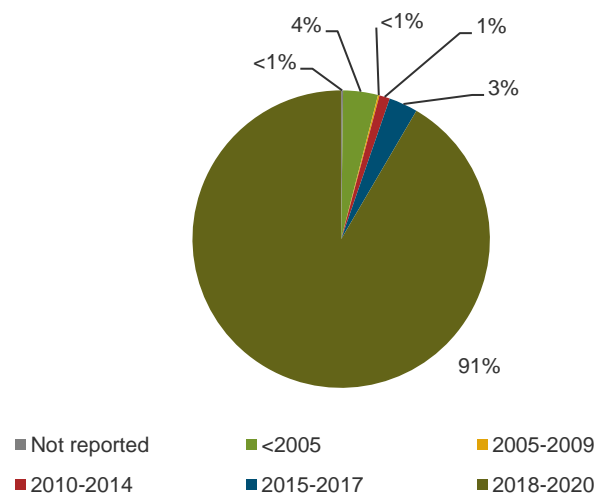


Table 2: WDPa Data (as of December 2020)

	Polygons	Points	Total
Realm			
Terrestrial	221,411	11,194	232,605
Coastal*	11,154	0	11,154
Marine	6,014	508	6,522
<i>* under validation by data providers</i>			
Status			
Designated	236,171	11,430	247,601
Proposed	1,229	247	1,476
Established	1,144	13	1,157
Status not reported	35	12	47
Areas designated under international conventions and agreements	2,359	789	3,148
UNESCO World Heritage sites (natural or mixed)	249	0	249
Wetlands of International Importance (Ramsar sites)	1,854	492	2,346
UNESCO Man and Biosphere Reserves	256	297	553
Areas designated under regional conventions and agreements	30,593	0	30,593
Baltic Sea Protected Area (HELCOM)	177	0	177
Marine Protected Area (CCAMLR)	6	0	6
Marine Protected Area (OSPAR)	493	0	493
Site of Community Importance (Habitats Directive)	24,185	0	24,185
Special Protection Area (Birds Directive)	5,669	0	5,669
Specially Protected Area (Cartagena Convention)	29	0	29
Specially Protected Area of Mediterranean Importance (Barcelona Conv.)	34	0	34
National-level protected areas: IUCN Management Category	205,567	10,900	216,467
Ia: Strict Nature Reserve	12,765	67	12,832
Ib: Wilderness Area	3,688	1	3,689
II: National Park	5,646	153	5,799
III: Natural Monument or Feature	13,457	6,198	19,655
IV: Habitat / Species Management Area	74,754	1,866	76,620
V: Protected Landscape / Seascape	43,134	175	43,309
VI: Protected area with sustainable use of natural resources	9,403	146	9,549
Not Assigned	30,423	1,216	31,639
Not Reported	12,297	1,078	13,375
Areas protected by local communities, indigenous people and private entities, through non-legal means	60	13	73
Established	60	13	73
Total number of records in the WDPa	238,579	11,702	250,281

WDPA Quality Indicators

The percentage of records with boundaries in polygon format

The WDPA stores all records with spatial (location) data. These data can be polygons which represent the boundaries of the protected area, or a single latitude/longitude point which shows the general location of the protected area. This indicator shows the percentage of records with boundaries - the preferred spatial data.



The percentage of data attributes which have been reported by the data provider

Each record in the WDPA has 25 fields for which data attributes are requested. This indicator shows the weighted percentage of data fields which have been reported, based on the minimum and complete attributes.



The percentage of records updated or validated by the data provider in the last 5 years

UNEP-WCMC sets a target to update each record in the WDPA at least every five years. This indicator shows the percentage of records updated in the last 5 years (December 2015 to December 2020).



The percentage of records where the area of the polygon is within 5% of the area reported

The area (km²) reported for a protected area may sometimes differ from the area of the boundary polygon provided, possibly indicating a discrepancy within the information submitted. This indicator shows the percentage of records where the area of the polygon is within a threshold of 5% of the area reported. The threshold allows for differences due to projections and software used for calculating the GIS area.

