

WDPA Data Status Report

The World Database on Protected Areas

May 2021

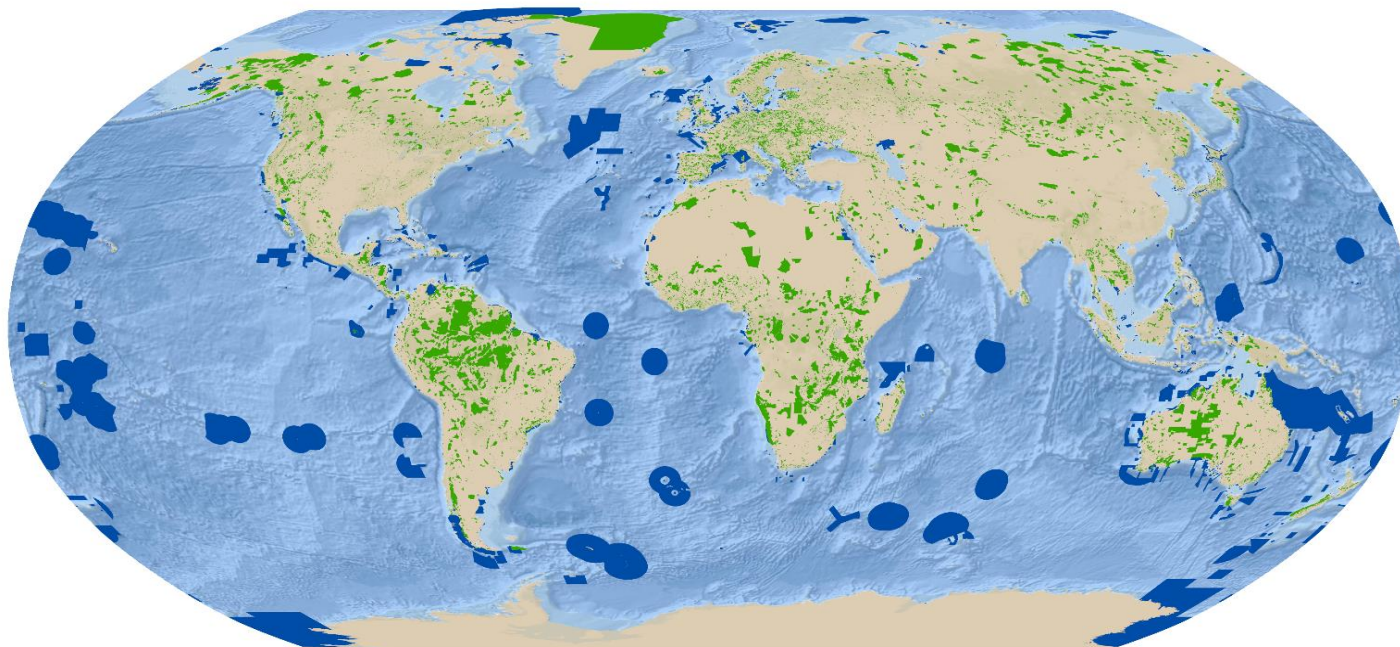
About this Report and the World Database on Protected Areas (WDPA)

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 May 2021 monthly release.

Map showing protected areas in the WDPA

Protected Areas of the world

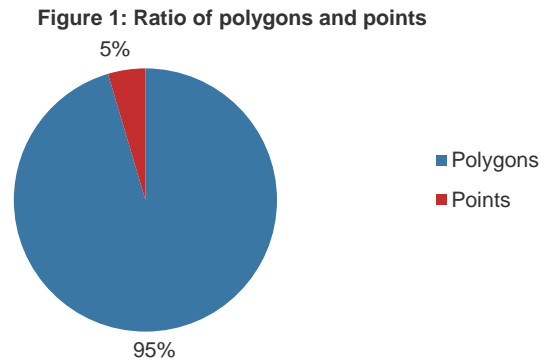


Source: UNEP-WCMC and IUCN (2021). Protected Planet: The World Database on Protected Areas (WDPA) [On-line], May 2021, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

■ Terrestrial protected areas ■ Marine and coastal protected areas

Protected areas data in the WDPa

There are 265,851 protected area records stored in the WDPa. 229,508 are national-level protected areas with 34,945 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.



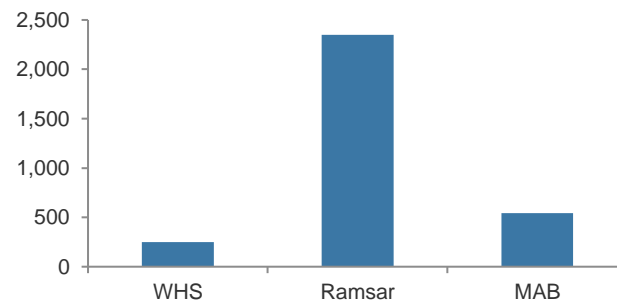
Of the 265,851 protected areas, 19,004 (7%) include a marine or coastal component. These protected areas may be either partially or completely within the marine environment.

Data for protected areas designated under international conventions and agreements

There are 3,142 protected areas in the WDPa designated under international conventions or agreements.

250 are World Heritage sites (WHS), 2,348 are Ramsar Wetlands of International Importance, 544 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

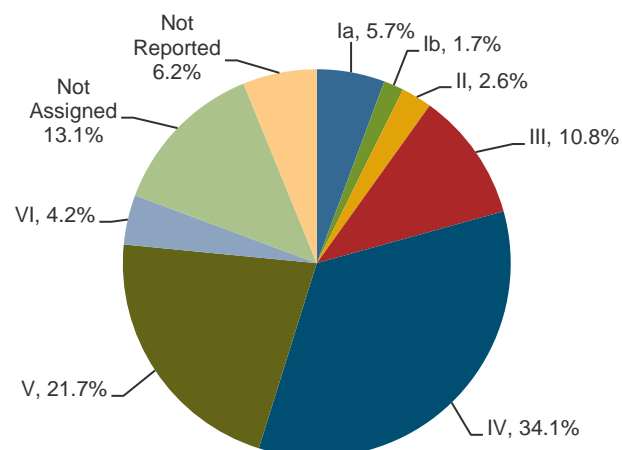
There are 30,603 protected areas in the WDPa designated under regional conventions or agreements. 29,854 are Natura2000 sites and 749 sites are designated under regional seas conventions.

Data for national-level protected areas

There are 229,508 national-level protected area records in the WDPa. IUCN Management Categories have been reported for 185,191 of these records. The remaining 44,317 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 1398 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	81%
Status (designated or proposed)	99.5%
Status Year	88%
Governance Type	93%
Management Authority	50%
Link to Management Plan	10%

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 762 records in the WDPA with no reported source.

Figure 4: Percentage of records updated or validated by year

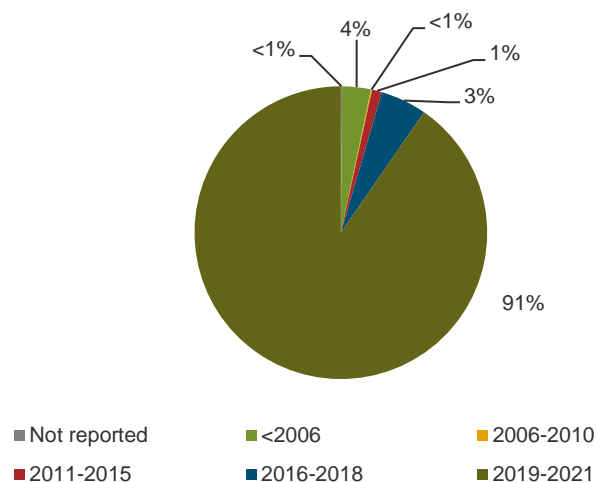


Table 2: WDPa Data (as of May 2021)

	Polygons	Points	Total
Realm			
Terrestrial	236,249	10,598	246,847
Coastal*	11,471	0	11,471
Marine	5,923	1,610	7,533
<i>* under validation by data providers</i>			
Status			
Designated	251,020	11,978	262,998
Proposed	1,204	206	1,410
Established	1,385	13	1,398
Status not reported	34	11	45
Areas designated under international conventions and agreements	2,352	790	3,142
UNESCO World Heritage sites (natural or mixed)	250	0	250
Wetlands of International Importance (Ramsar sites)	1,856	492	2,348
UNESCO Man and Biosphere Reserves	246	298	544
Areas designated under regional conventions and agreements	30,603	0	30,603
ASEAN Heritage Park	9	0	9
Baltic Sea Protected Area (HELCOM)	177	0	177
Marine Protected Area (CCAMLR)	6	0	6
Marine Protected Area (OSPAR)	494	0	494
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	218,103	11,405	229,508
Ia: Strict Nature Reserve	12,932	67	12,999
Ib: Wilderness Area	3,836	5	3,841
II: National Park	5,751	119	5,870
III: Natural Monument or Feature	17,931	6,842	24,773
IV: Habitat / Species Management Area	76,670	1,684	78,354
V: Protected Landscape / Seascape	49,649	176	49,825
VI: Protected area with sustainable use of natural resources	9,408	121	9,529
Not Assigned	28,943	1,216	30,159
Not Reported	12,983	1,175	14,158
Areas protected by local communities, indigenous people and private entities, through non-legal means	1,385	13	1,398
Established	1,385	13	1,398
Total number of records in the WDPa	253,643	12,208	265,851

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 (May 2016 to May 2021).



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.

