

WDPA Data Status Report

The World Database on Protected Areas

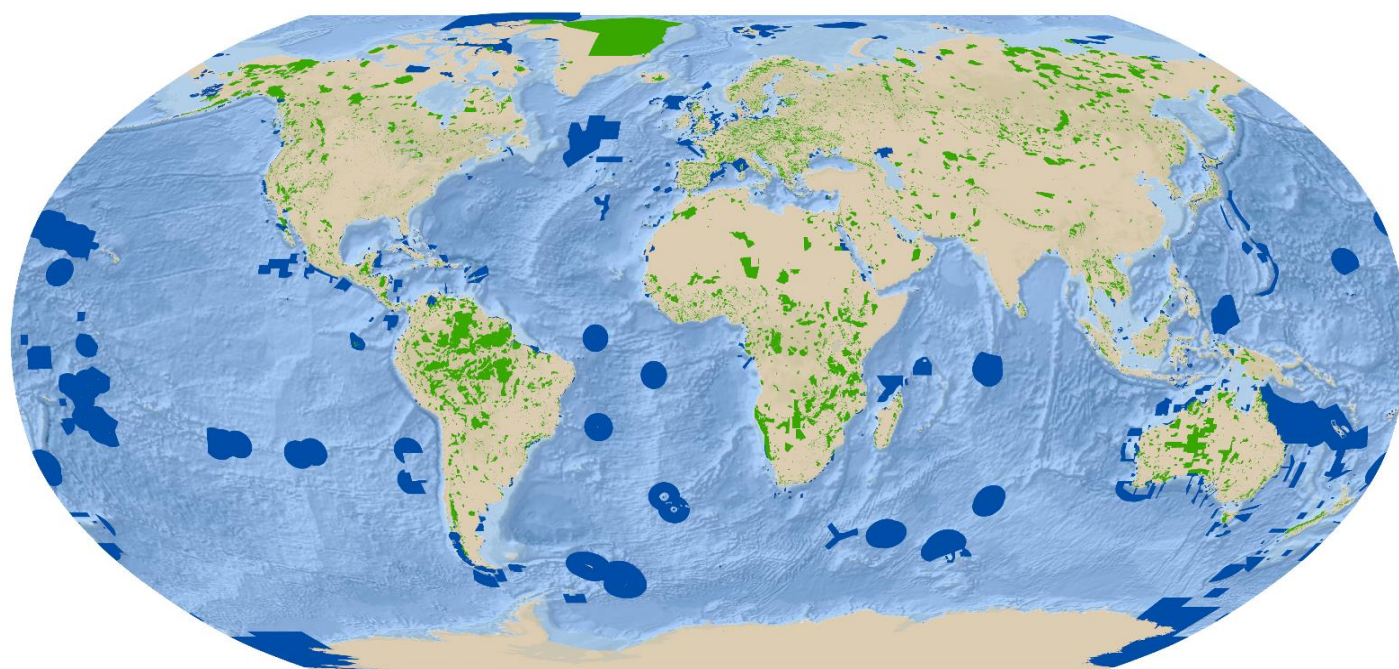
December 2021

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 December 2021 monthly release.

Map showing protected areas in the WDPA

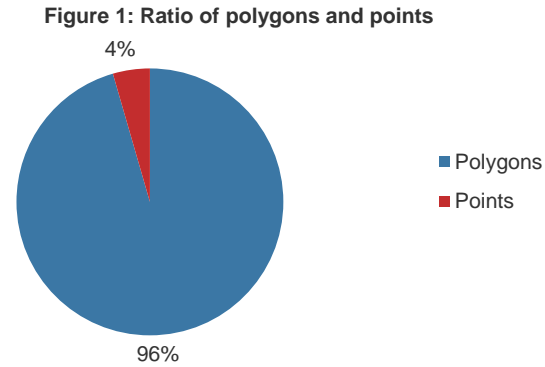


Source: UNEP-WCMC and IUCN (2021). Protected Planet: The World Database on Protected Areas (WDPA) [On-line], October 2021, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

 Terrestrial protected areas  Marine and coastal protected areas

Protected areas data in the WDPA

There are 270,301 protected area records stored in the WDPA. 234,058 are national-level protected areas with 34,949 designated under international and regional agreements or conventions. 96% of the data have boundaries in polygon format, with the remaining 4% depicted in point format (i.e. a single latitude and longitude point for the protected area). See Figure 1.



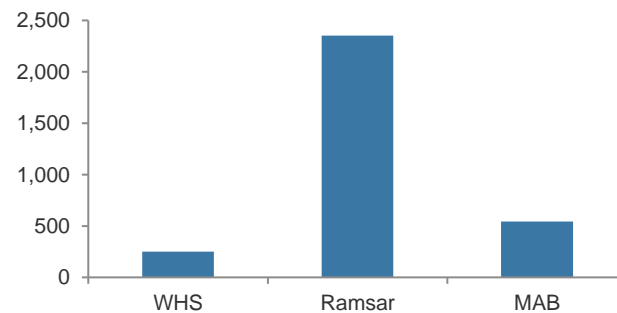
Of the 270,301 protected areas, 17,948 (7%) include a marine or coastal component. These protected areas may be either partially or completely within the marine environment.

Data for protected areas designated under international conventions and agreements

There are 3,146 protected areas in the WDPA designated under international conventions or agreements.

250 are World Heritage sites (WHS), 2,352 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

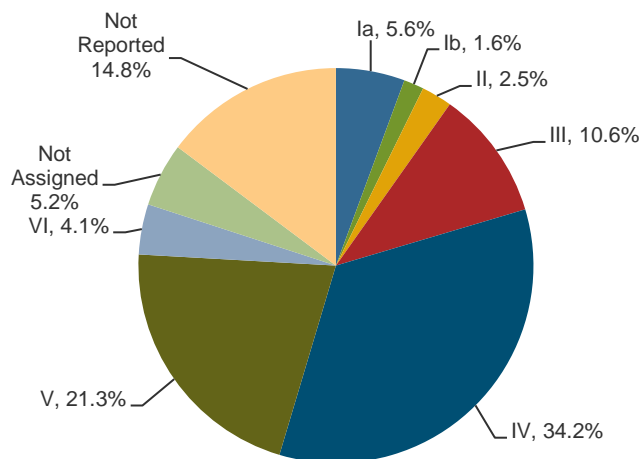
There are 31,803 protected areas in the WDPA designated under regional conventions or agreements. 29,854 are Natura2000 sites and 749 sites are designated under regional seas conventions.

Data for national-level protected areas

There are 234,058 national-level protected area records in the WDPA. IUCN Management Categories have been reported for 187,283 of these records. The remaining 46,775 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 1294 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	80%
Status (designated or proposed)	99.5%
Status Year	88%
Governance Type	93%
Management Authority	86%
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 747 records in the WDPA with no reported source.

Figure 4: Percentage of records updated or validated by year

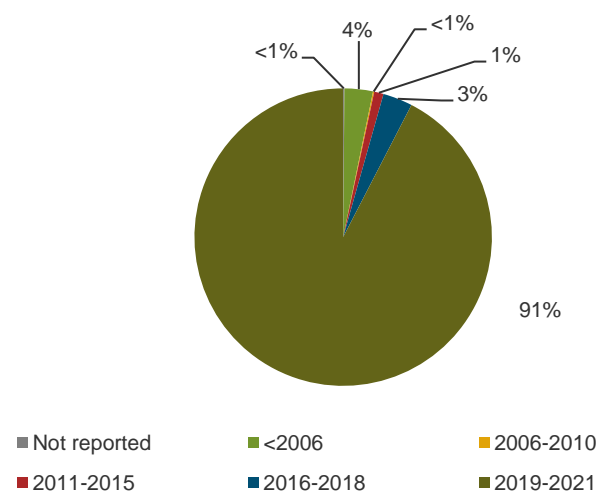


Table 2: WDPA Data (as of December 2021)

	Polygons	Points	Total
Realm			
Terrestrial	240,678	11,675	252,353
Coastal*	11,552	0	11,552
Marine	5,969	427	6,396
<i>* under validation by data providers</i>			
Status			
Designated	255,655	11,876	267,531
Proposed	1,222	202	1,424
Established	1,288	13	1,301
Status not reported	34	11	45
Areas designated under international conventions and agreements			
UNESCO World Heritage sites (natural or mixed)	250	0	250
Wetlands of International Importance (Ramsar sites)	1,895	457	2,352
UNESCO Man and Biosphere Reserves	249	295	544
Areas designated under regional conventions and agreements			
Areas of Special Conservation Interest, Emerald Network (Bern Convention)	1,200	0	1,200
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			
Ia: Strict Nature Reserve	13,127	67	13,194
Ib: Wilderness Area	3,844	4	3,848
II: National Park	5,749	121	5,870
III: Natural Monument or Feature	18,010	6,831	24,841
IV: Habitat / Species Management Area	78,417	1,673	80,090
V: Protected Landscape / Seascape	49,659	150	49,809
VI: Protected area with sustainable use of natural resources	9,510	121	9,631
Not Assigned	10,989	1,216	12,205
Not Reported	33,416	1,154	34,570
Areas protected by local communities, indigenous people and private entities, through non-legal means			
Established	1,281	13	1,294
Total number of records in the WDPA			
	258,199	12,102	270,301

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 2016 to December 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.

