



Convention on  
Biological Diversity



# Aichi Biodiversity Target 11 Country Dossier: ANGOLA

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## GLOSSARY

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AZEs	Alliance for Zero Extinction sites
CEPF	Critical Ecosystem Partnership Fund
EBSA	Ecologically or Biologically Significant Marine Area
EEZ	Exclusive Economic Zone
GCF	Green Climate Fund
GD-PAME	Global Database on Protected Area Management Effectiveness
GEF	Global Environment Facility
IBA	Important Bird and Biodiversity Area
ICCAs	Indigenous and Community Conserved Area Area (may also be referred to as territories and areas conserved by Indigenous peoples and local communities or “territories of life”)
IPLC	Indigenous Peoples and Local Communities
KBA	Key Biodiversity Area
MEOW	Marine Ecosystems of the World
MPA	Marine Protected Area
NBSAP	National Biodiversity Strategy and Action Plan
OECD	Other Effective Area-Based Conservation Measures
PA	Protected Area
PAME	Protected Area Management Effectiveness
PPA	Privately Protected Area
PPOW	Pelagic Provinces of the World
ProtConn	Protected Connected land indicator
SOC	Soil Organic Carbon
TEOW	Terrestrial Ecosystems of the World
WDPA	World Database on Protected Areas
WD-OECD	World Database on Other Effective Area-Based Conservation Measures



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This country dossier is compiled by the UNDP and SCBD from publicly available information. It is prepared, within the overall work of the Global Partnership on Aichi Biodiversity Target 11, for the purpose of attracting the attention of the Party concerned and other national stakeholders to facilitate the verification, correcting, and updating of country data. The statistics might differ from those reported officially by the country due to differences in methodologies and datasets used to assess protected area coverage and differences in the base maps used to measure terrestrial and marine area of a country or territory. Furthermore, the suggestions from the UNDP and SCBD are based on analyses of global datasets, which may not necessarily be representative of national policy or criteria used at the national level. The analyses are also subject to the limits inherent in global indicators (precision, reliability, underlying assumptions, etc.). Therefore, they provide useful information but cannot replace analyses at a national level nor constitute a future benchmark for national policy or decision-making.

The preparation of this dossier was generously supported by: the Government of the Federal Republic of Germany, *Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH*; the European Commission; the Government of the United Kingdom of Great Britain and Northern Ireland; and the Government of Japan (Japan Biodiversity Fund). The dossier does not necessarily reflect their views.

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## EXECUTIVE SUMMARY

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This document provides information on the coverage of protected areas (PAs) and other effective area-based conservation measures (OECMs), as currently reported in global databases (the World Database on Protected Areas ([WDPA](#)) and World Database on Other Effective Area-Based Conservation Measures ([WD-OECM](#))). It also includes details on the status of the other qualifying elements of Aichi Biodiversity Target 11 based on this data. These statistics might differ from those reported officially by countries due to difference in methodologies and datasets used to assess protected area coverage, differences in the base maps used to measure terrestrial and marine area of a country or territory, or if global datasets differ from the criteria and indicators used at the national level. This dossier also provides a summary of commitments made under Aichi Biodiversity Target 11, and a summary of potential opportunities regarding elements of the target for future planning.

The dossier has been developed in consultation with the UN Environment Programme World Conservation Monitoring Centre (UNEP-WCMC), which manages the WDPA, WD-OECM and Global Database on Protected Area Management Effectiveness ([GD-PAME](#)). Parties to the SCBD are requested to contact [protectedareas@unep-wcmc.org](mailto:protectedareas@unep-wcmc.org) with any updates to the information in these databases.

### Aichi Biodiversity Target 11 Elements: Current status and opportunities for action

#### Coverage - Terrestrial & Marine

- **Status:** as of May 2021, terrestrial coverage in Angola is 87,506.6 km<sup>2</sup> (7.0%) and marine coverage is 24.3 km<sup>2</sup> (0.0%).
- **Opportunities for action:** opportunities for the near-term include updating the WDPA with any unreported PAs, and the recognizing and reporting OECMs to the WD-OECM. In the future, focus on relatively intact areas, while addressing the elements in the following sections, could be considered when planning new PAs or OECMs.

#### Ecological Representativeness— Terrestrial & Marine

- **Status:** Angola contains 15 terrestrial ecoregions, 3 marine ecoregions, and 1 pelagic province: the mean protected coverage by reported PAs and OECMs is 11.4% (terrestrial), 0.0% (marine), and 0.0% (pelagic); 6 terrestrial ecoregions, 2 marine ecoregions, and 1 pelagic province have no coverage by reported PAs and OECMs (another 1 terrestrial and 1 marine ecoregion have <0.1% coverage).
- **Opportunities for action:** there is opportunity for Angola to increase protection in terrestrial and marine ecoregions and pelagic provinces that have lower levels of coverage by PAs or OECMs. Ecoregions which currently have no coverage by PAs or OECMs are key areas for action.



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### Areas Important for Biodiversity

- **Status:** Angola has 23 Key Biodiversity Areas (KBAs): the mean protected coverage of KBAs by reported PAs and OECMs is 28.4%, while 15 KBAs have no coverage by reported PAs and OECMs.
- **Opportunities for action:** there is opportunity for Angola to increase protection of KBAs that have lower levels of coverage by PAs and OECMs; priority could be given to those with no current coverage.

### Areas Important for Ecosystem Services

- **Status:** coverage of areas important for ecosystem services: In Angola, 4.0% of aboveground biomass carbon, 6.4% of belowground biomass carbon, 6.9% of soil organic carbon, 0.2% of carbon stored in marine sediments is covered by PAs and OECMs.
- **Opportunities for action:** for carbon, there is opportunity for Angola to increase PA and OECM coverage in both marine and terrestrial areas with high carbon stocks. Protecting areas with high carbon stocks secures the benefits of carbon sequestration in the area.
- For water, there is opportunity to increase the area of the water catchment under protection by PAs and OECMs, or in cases where there is high levels of protection, focus on effective management for these areas. Protecting the current area of forested land and potentially reforesting would have benefits for improving water security.

### Connectivity and Integration

- **Status:** coverage of protected-connected lands is 2.5%.
- **Opportunities for action:** there is opportunity for a general increase of PAs or OECMs and to focus on PA and OECM management for enhancing and maintaining connectivity. Increasing connectivity increases the effectiveness of PAs and OECMs and reduces the impacts of fragmentation.
- As well, a range of suggested steps for enhancing and supporting integration are included in the voluntary guidance on the integration of PAs and OECMs into the wider land- and seascapes and mainstreaming across sectors to contribute, inter alia, to the SDGs (Annex I of COP Decision 14/8).

### Governance Diversity

- **Status:** governance type is not reported for any of the sites in Angola currently reported in the WDPA.
- **Opportunities for action:** increase efforts to identify the governance types for the 100.0% of sites that do not have their governance type reported. If applicable, explore opportunities for governance types that have lower representation.





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- There is also opportunity for Angola to complete governance and equity assessments, to establish baselines and identify relevant actions for improvement. As well, a range of suggested actions are included in the voluntary guidance on effective governance models for management of protected areas, including equity (Annex II of COP Decision 14/8).

### Protected Area Management Effectiveness

- **Status:** 37.0% of terrestrial PAs and 81.1% of marine PAs have completed Protected Area Management Effectiveness (PAME) assessments reported.
- **Opportunities for action:** the 60% target for completed management effectiveness assessments (per COP Decision X/31) **has not** been met for terrestrial PAs and **has** been met for marine PAs. Therefore, there is opportunity to increase protected area management effectiveness (PAME) evaluations for terrestrial PAs to achieve the target.
- There is also opportunity to implement the results of completed PAME evaluations, to improve the quality of management for existing PAs and OECMs (e.g. through adaptive management and information sharing, increasing the number of sites reporting 'sound management') and to increase reporting of biodiversity outcomes in PAs and OECMs.



## INTRODUCTION

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The Strategic Plan for Biodiversity 2011-2020 was adopted at the tenth meeting of the Conference of the Parties (COP) to the Convention on Biological Diversity (CBD) held in Nagoya, Aichi Prefecture, Japan from 18-29 October 2010. The vision of the Strategic Plan is one of “Living in harmony with nature” where *“By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people”* (CBD, 2010). In addition to this vision, the Strategic Plan is composed of 20 targets, under five strategic goals. Aichi Biodiversity Target 11 states that *“By 2020, at least 17 per cent of terrestrial and inland water, and 10 per cent of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through effectively and equitably managed, ecologically representative and well-connected systems of protected areas and other effective area-based conservation measures, and integrated into the wider landscapes and seascapes.”*

With the conclusion of the Aichi Biodiversity Targets in 2020, Target 11 on area-based conservation has seen success in the expansion of the global network of protected areas (PAs) and other effective area-based conservation measures (OECMs). The negotiation of the post-2020 Global Biodiversity Framework (GBF) and its future targets provide an essential opportunity to further improve the coverage of PAs and OECMs, to improve other aspects of area-based conservation, to accelerate progress on biodiversity conservation more broadly, while also addressing climate change, and the Sustainable Development Goals. This next set of global biodiversity targets are to be adopted at the fifteenth meeting of the Conference of the Parties to the CBD. These new targets must aim to build upon lessons learned from the last decade of progress to deliver transformative change for the benefit of nature and people, to realize the 2050 Vision for biodiversity.

The United Nations Development Programme (UNDP) and the Secretariat of the Convention on Biological Diversity have developed the Aichi Biodiversity Target 11 Country Dossiers, which provide countries with an overview of the status of Target 11 elements, opportunities for action, and a summary of commitments made by Parties over the last decade. Each country dossier can support countries in assessing their progress on key elements of Aichi Biodiversity Target 11 and identifying opportunities to prioritize new protected areas and OECMs.

This dossier provides an overview of area-based conservation in Angola. Section I presents data on the current status of Angola’s PAs and OECMs. The data presented in Section I relates to each element of Target 11. Section I also presents the PA and OECM coverage for two critical ecosystem services: water security and carbon stocks. In addition, the dossier presents potential opportunities for action for Angola, in relation to each Target 11 element. The analyses present options for improving Angola’s area-based conservation network to achieve enhanced protection and benefits for livelihoods and climate change. Section II presents details on Angola’s existing PAs and OECMs commitments as a summary of existing efforts towards achieving Target 11. This gives focus not only to national policy and actions but also voluntary commitments to the UN. Furthermore, where data is available, this dossier provides information on potential OECMs, Indigenous and



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Community Conserved Areas (ICCAs; also often referred to as territories and areas conserved by Indigenous peoples and local communities or “territories of life”) and Privately Protected Areas (PPAs) and the potential contribution they will have in achieving the post-2020 targets.

The information on PAs and OECMs presented here is derived from the World Database on Protected Areas (WDPA) and World Database on Other Effective Area-Based Conservation Measures (WD-OECM). These databases are joint products of UNEP and IUCN, managed by UNEP-WCMC, and can be viewed and downloaded at [www.protectedplanet.net](http://www.protectedplanet.net). Parties are encouraged to provide data on their PAs and OECMs to UNEP-WCMC for incorporation into the databases (see e.g. Decisions 10/31 and 14/8). The significant efforts of Parties in updating their data in the build up to the publication of the Protected Planet Report 2020 (UNEP-WCMC and IUCN, 2021) were greatly appreciated. UNEP-WCMC welcomes further updates, following the data standards described here [www.wcmc.io/WDPA\\_Manual](http://www.wcmc.io/WDPA_Manual), and these should be directed to [protectedareas@unep-wcmc.org](mailto:protectedareas@unep-wcmc.org). The statistics presented in this dossier are derived from the May 2021 WDPA and WD-OECM releases, unless explicitly stated otherwise. Readers should consult [www.protectedplanet.net](http://www.protectedplanet.net) for the latest coverage statistics (updated monthly).

Some data from the WDPA and WD-OECM are not made publicly available at the request of the data-provider. This affects some statistics, maps, and figures presented in this dossier. Statistics provided by UNEP-WCMC (terrestrial and marine coverage) are based upon the full dataset, including restricted data. All other statistics, maps, and figures are based upon the subset of the data that is publicly available.

Where data is less readily available, such as for potential OECMs, ICCAs and PPAs, data has also been compiled from published reports and scientific literature to provide greater awareness of these less commonly recorded aspects. These data are provided to highlight the need for comprehensive reporting on these areas to the WDPA and/or WD-OECM. Parties are invited to work with indigenous peoples, local communities and private actors to submit data under the governance of these actors, with their consent, to the WDPA and/or WD-OECM.

Overall, PAs and OECMs are essential instruments for biodiversity conservation and to sustain essential ecosystem services that support human well-being and sustainable development, including food, medicine, and water security, as well as climate change mitigation and adaptation and disaster risk reduction. The data in this dossier, therefore, aims to celebrate the current contributions of PAs and OECMs, whilst the gaps presented hope to encourage greater progress, not just for the benefit of biodiversity and the post-2020 GBF, but also to recognize the essential role of PAs and OECMs to the Sustainable Development Goals and for addressing the climate crisis.



## SECTION I: CURRENT STATUS

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Aichi Biodiversity Target 11 refers to both protected areas (PAs) and other effective area-based conservation measures (OECMs). This section provides the current status for all elements of Aichi Biodiversity Target 11 where indicators with global data are available. Statistics for all elements are presented using data on both PAs and OECMs (where this data is available and reported in global databases like the WDPA and WD-OECM).

It is recognized that statistics reported in the WPDA and WD-OECM might differ from those reported officially by countries due to differences in methodologies and datasets used to assess protected area coverage and differences in the base maps used to measure terrestrial and marine area of a country or territory. Details on UNEP-WCMC's methods for calculating PA and OECM coverage area available [here](#). The global indicators adopted here for presenting the status of other elements of Target 11 may also differ from those in use nationally.



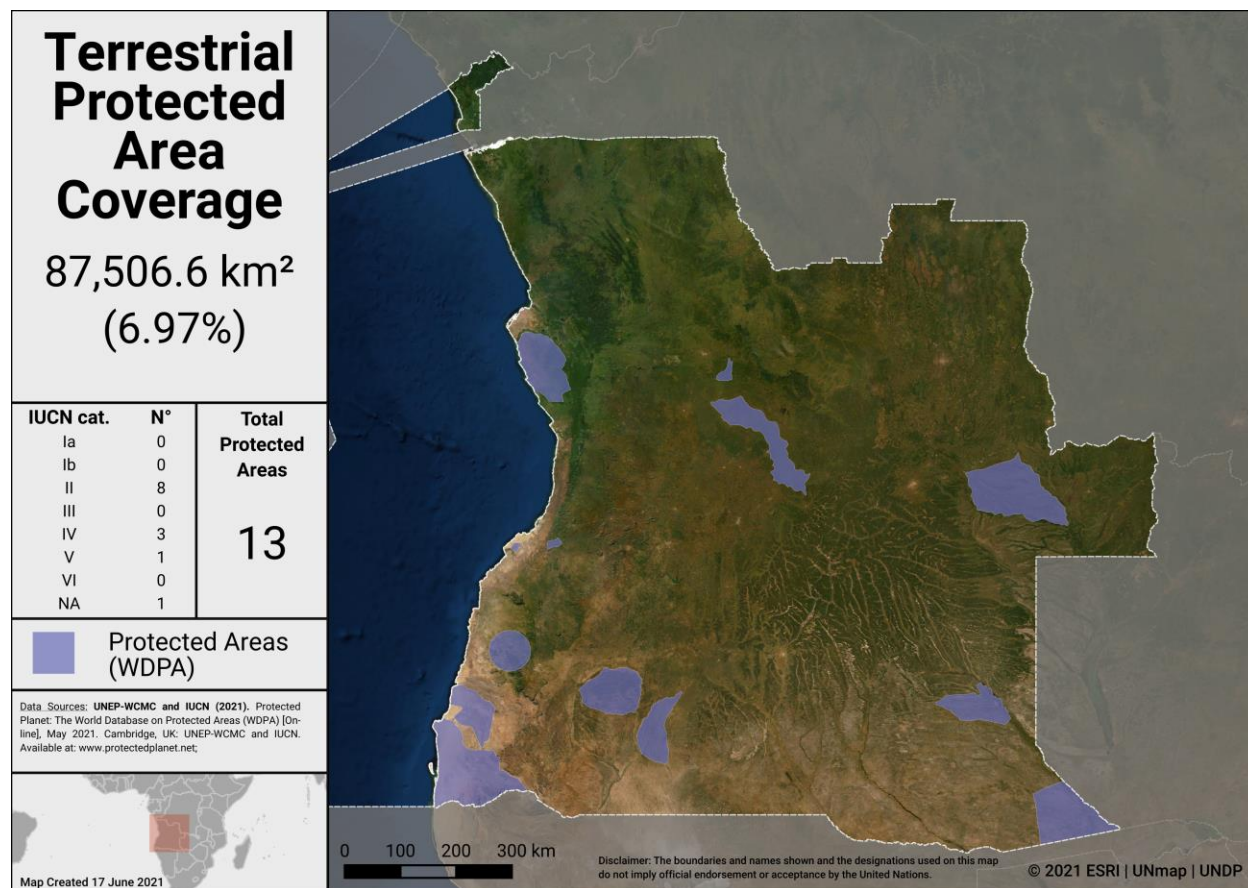
## COVERAGE - TERRESTRIAL & MARINE

As of May 2021, Angola has **14** protected areas reported in the World Database on Protected Areas (WDPA).

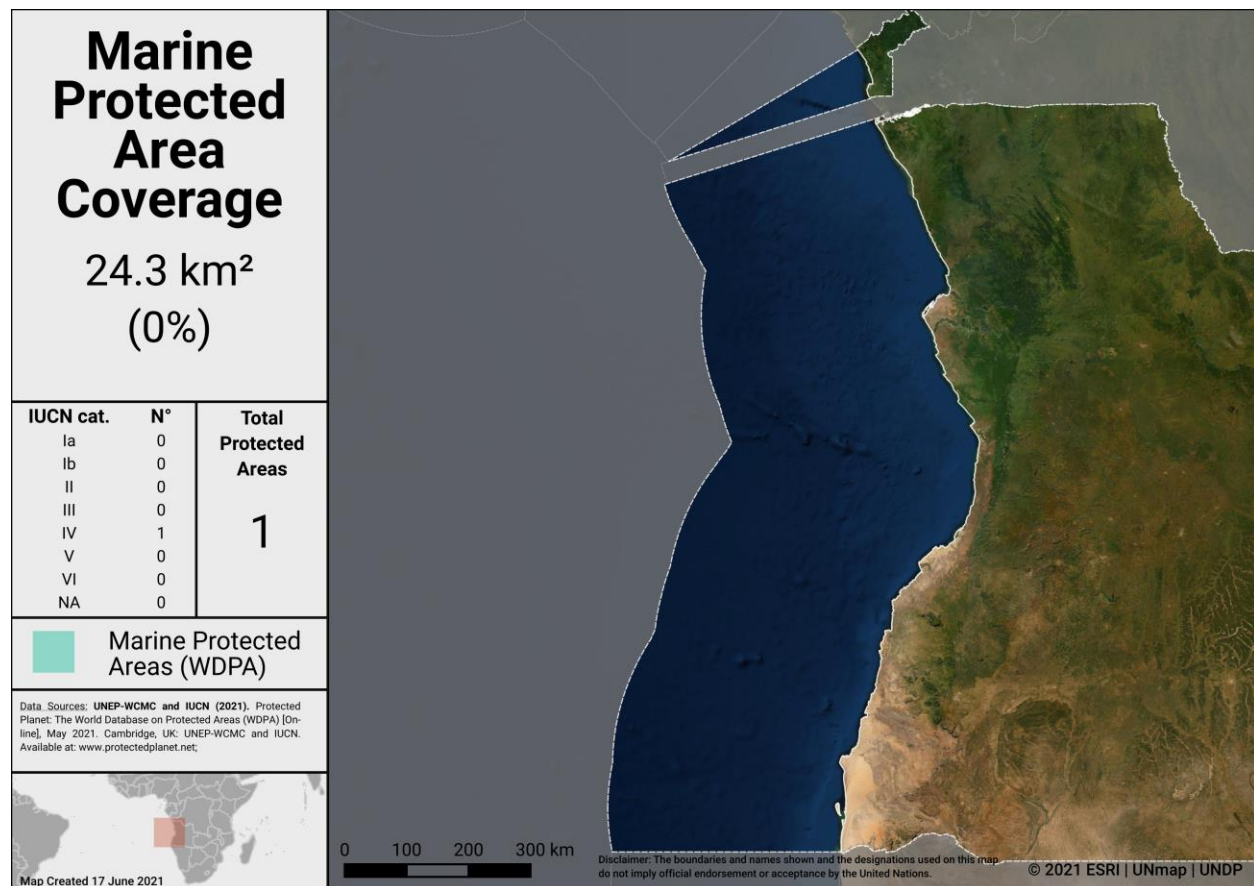
As of May 2021, Angola has **0** OECMs reported in the world database on OECMs (WD-OECM).

Current coverage for Angola:

- 7.0% terrestrial (13 protected areas, 87,506.6 km<sup>2</sup>)
- 0.0% marine (1 protected areas, 24.3 km<sup>2</sup>)



Terrestrial Protected Areas in Angola



Marine Protected Areas in Angola

### Potential OECMs

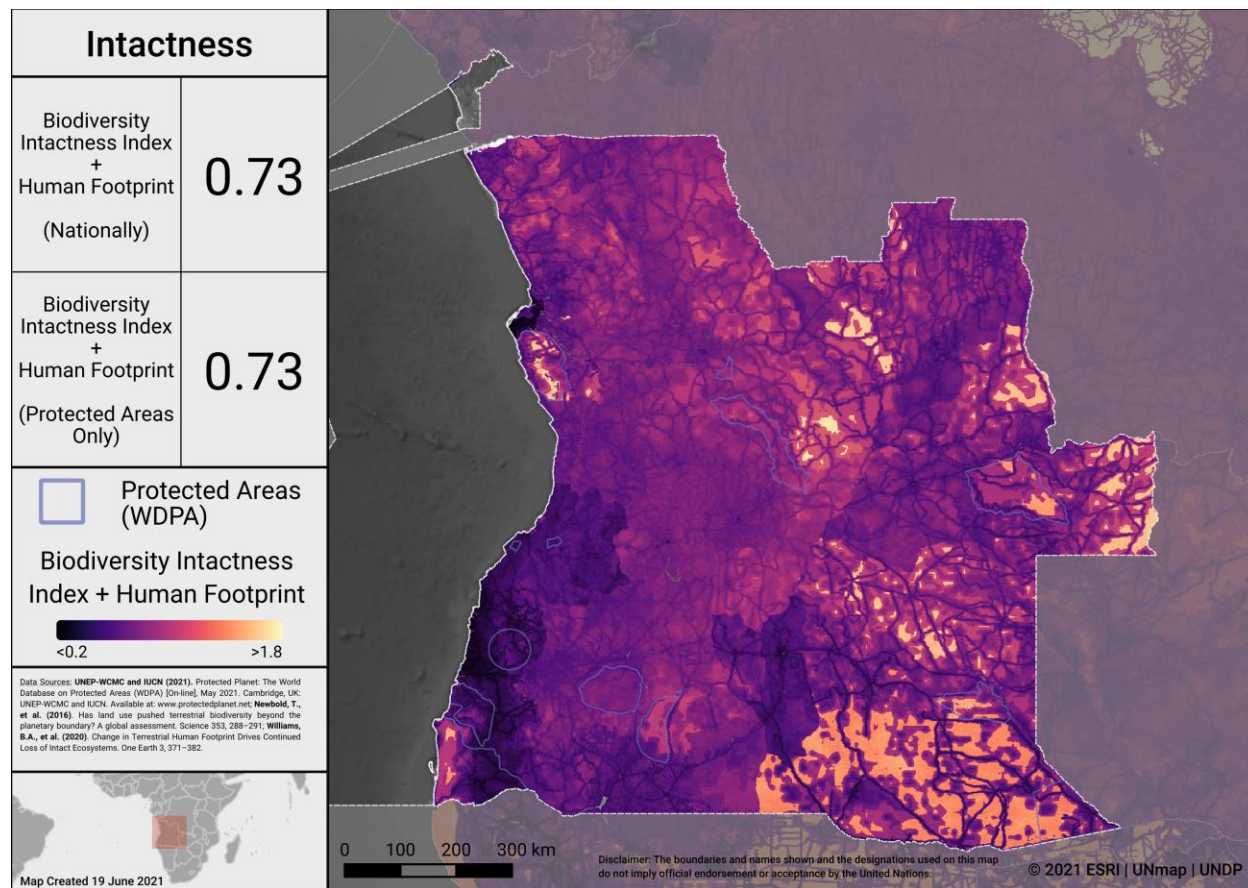
There are currently no potential OECMs examples for Angola.

### Opportunities for action

Opportunities for the near-term include updating the WPA with any unreported PAs, and the recognizing and reporting OECMs to the WD-OECM. In the future, as Angola considers where to add new PAs and OECMs, the map below identifies areas in Angola where intact areas are not currently protected. Focus on relatively intact areas, while addressing the elements in the following sections, could be considered when planning new PAs or OECMs.



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Intactness in Angola

To explore more on intactness visit the UN Biodiversity Lab: [map.unbiodiversitylab.org](http://map.unbiodiversitylab.org).

## ECOLOGICAL REPRESENTATIVENESS – TERRESTRIAL & MARINE

Ecological representativeness is assessed based on the PAs and OECMs coverage of broad-scale biogeographic units. Globally, ecoregions have been described for terrestrial areas (Dinerstein et al., 2017), marine coastal and shelf ecosystems (to a depth of 200m; Spalding et al., 2007) and surface pelagic waters (Spalding et al., 2012).

Angola has 15 **terrestrial** ecoregions. Out of these:

- 9 ecoregions have at least some coverage from PAs and OECMs.
- 3 ecoregions have at least 17% protected within the country.
- The average terrestrial coverage of ecoregions is 11.4%.

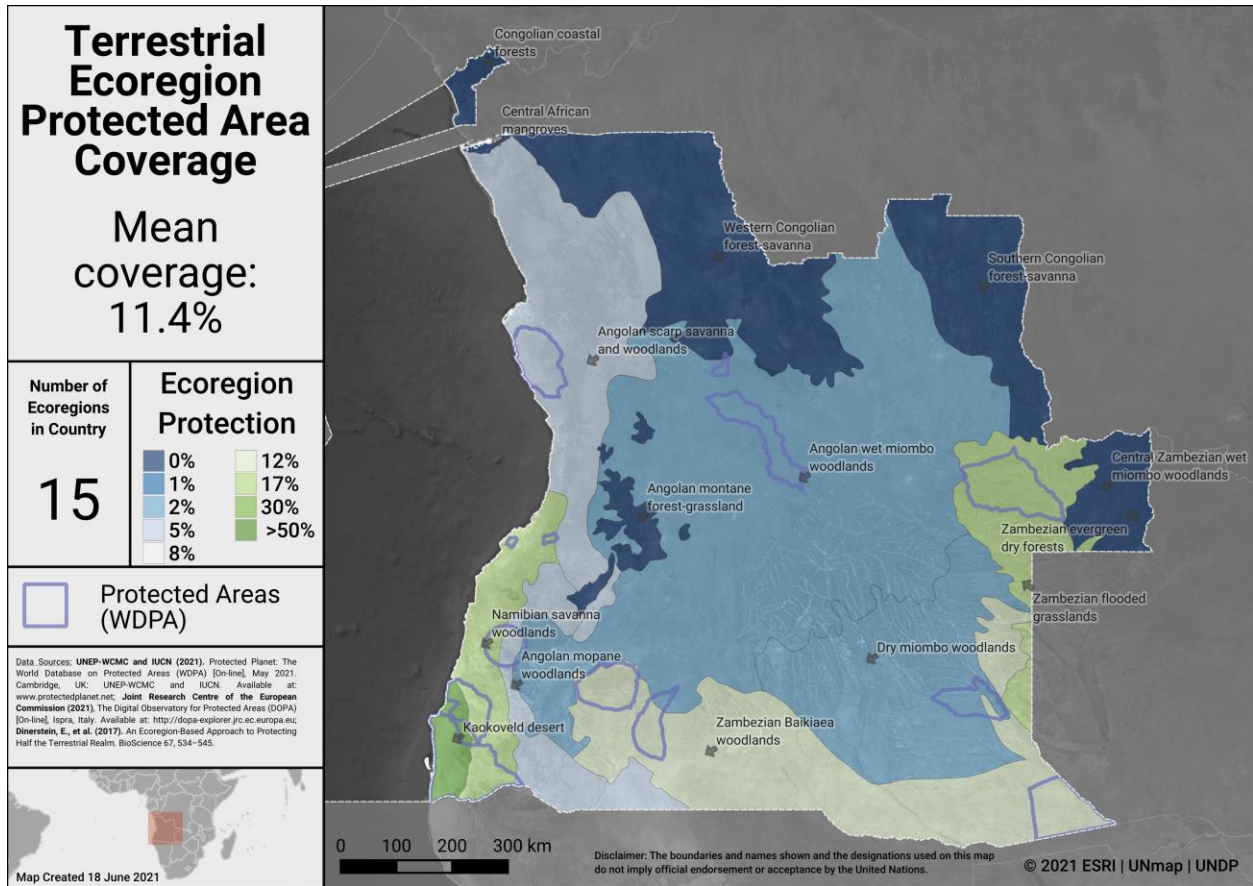
Angola has 3 **marine** ecoregions and 1 **pelagic province**. Out of these:

- 1 marine ecoregion and 0 pelagic provinces have at least some coverage from reported PAs and OECMs (Protection of this 1 ecoregion is <0.1%)
- 0 marine ecoregions and 0 pelagic provinces have at least 10% protected within Angola's exclusive economic zone (EEZ).
- The average protected area coverage of marine ecoregions is 0.0% and the average protected area coverage of Pelagic Provinces is 0.0%.

A full list of terrestrial ecoregions in Angola is available in Annex I.



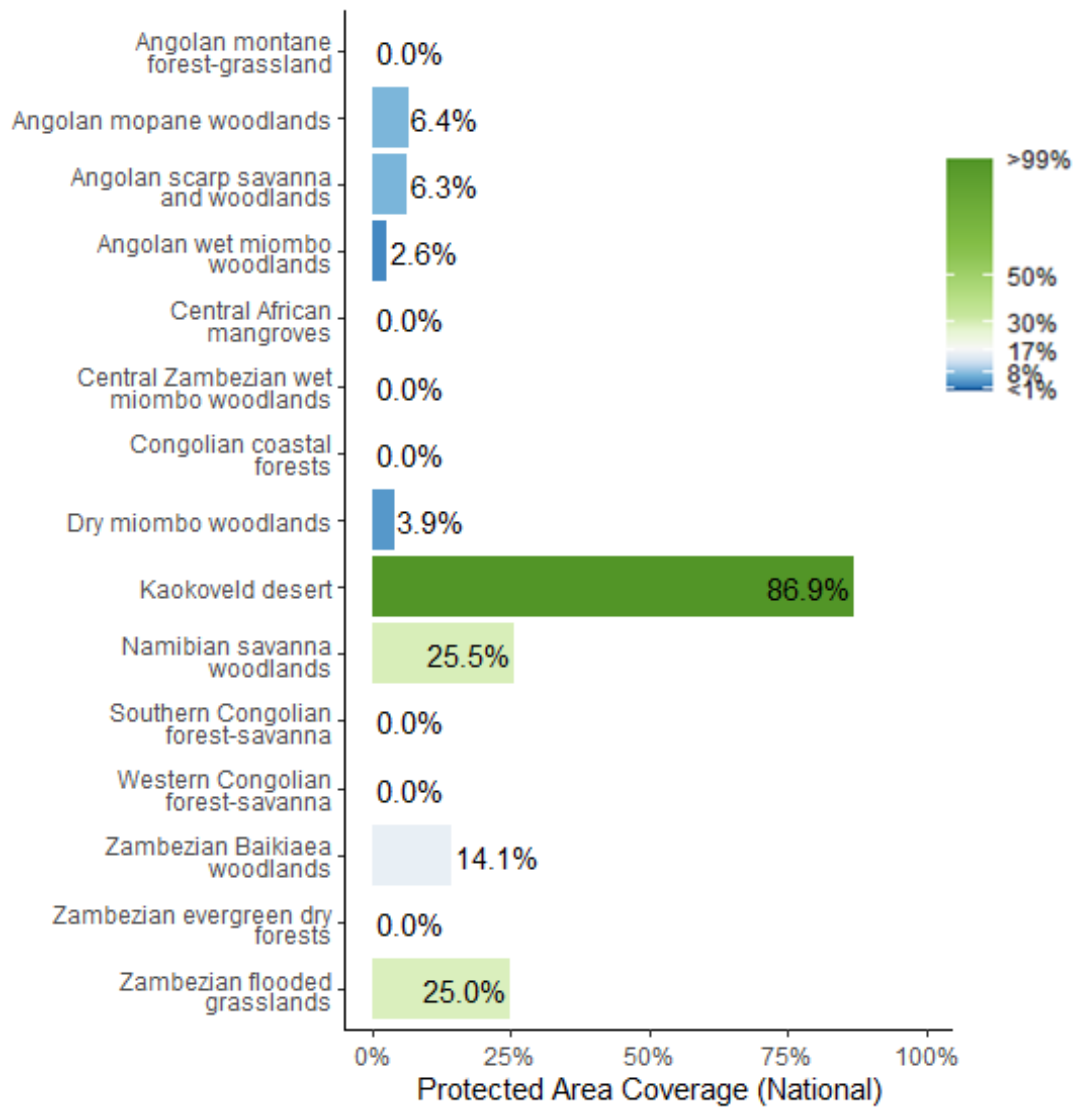




Terrestrial ecoregions in Angola



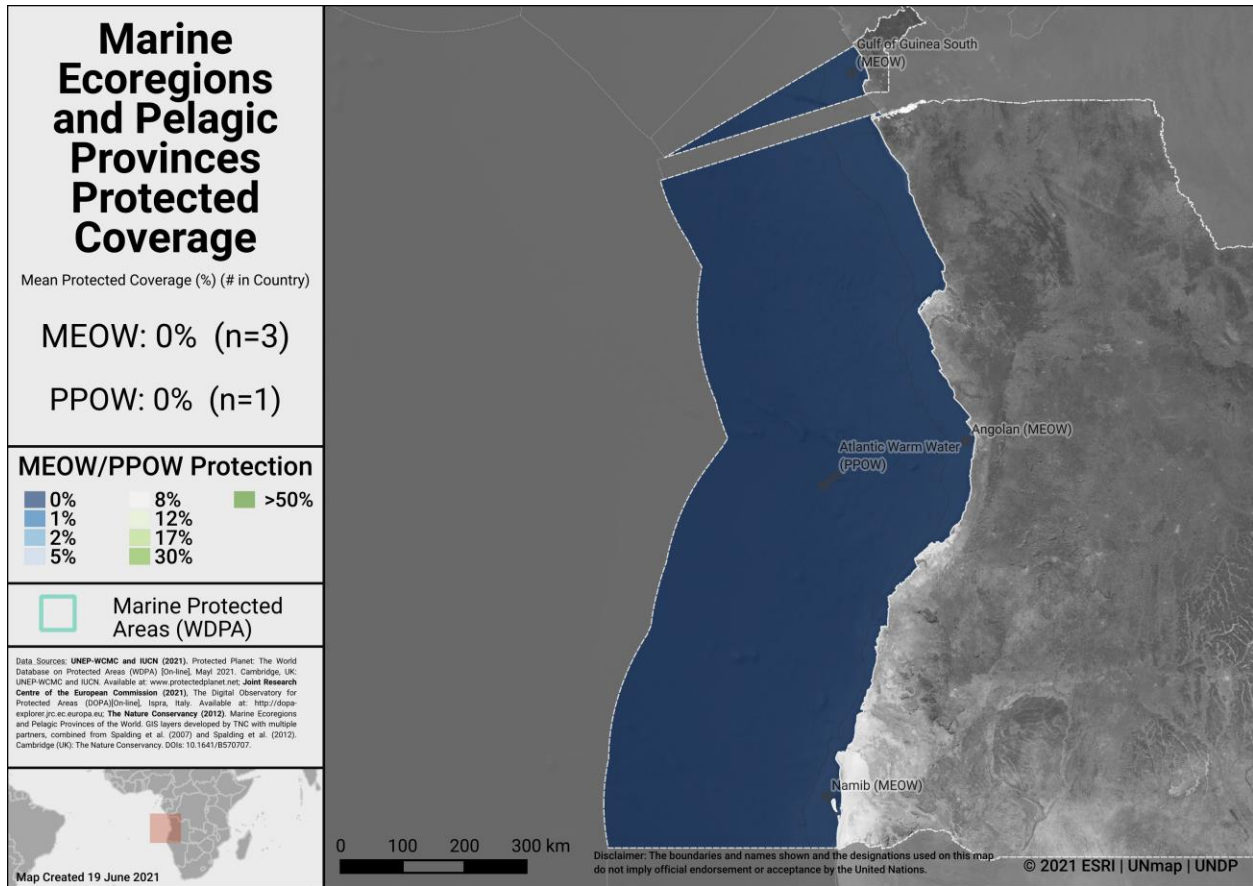
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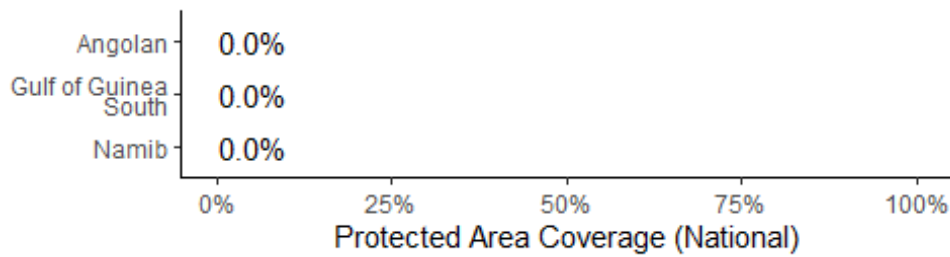
Terrestrial ecoregions of the World (TEOW) in Angola



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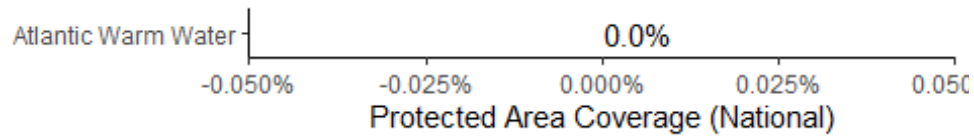


Marine ecoregions and pelagic provinces



Marine Ecoregions of the World (MEOW) in Angola

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Pelagic Provinces of the World (PPOW) in Angola

### Opportunities for action

There is opportunity for Angola to increase protection in terrestrial and marine ecoregions and pelagic provinces that have lower levels of coverage by PAs or OECMs. Ecoregions which currently have no coverage by PAs or OECMs are key areas for action.

## AREAS IMPORTANT FOR BIODIVERSITY

### Key Biodiversity Areas (KBAs)

Protected area and OECM coverage of Key Biodiversity Areas (KBAs) provide one proxy for assessing the conservation of areas important for biodiversity at national, regional and global scales. KBAs are sites that make significant contributions to the global persistence of biodiversity (IUCN, 2016). The KBA concept builds on four decades of efforts to identify important sites for biodiversity, including Important Bird and Biodiversity Areas, Alliance for Zero Extinction sites, and KBAs identified through Hotspot ecosystem profiles supported by the Critical Ecosystem Partnership Fund. Incorporating these sites, the dataset of internationally significant KBAs includes Global KBAs (sites shown to meet one or more of 11 criteria in the Global Standard for the Identification of KBAs, clustered into five categories: threatened biodiversity; geographically restricted biodiversity; ecological integrity; biological processes; and irreplaceability), Regional KBAs (sites identified using pre-existing criteria and thresholds, that do not meet the Global KBA criteria based on existing information), and KBAs whose Global/Regional status is Not yet determined, but which will be assessed against the global KBA criteria within 8-12 years. Regional KBAs are often of critical international policy relevance (e.g., in EU legislation and under the Ramsar Convention on Wetlands), and many are likely to qualify as Global KBAs in future once assessed for their biodiversity importance for other taxonomic groups and ecosystems. To date, nearly 16,000 KBAs have identified globally, and information on each of these is presented in the World Database of Key Biodiversity Areas: [www.keybiodiversityareas.org](http://www.keybiodiversityareas.org).

Angola has **23** Key Biodiversity Areas (KBAs).

- Mean percent coverage of all KBAs by PAs and OECMs in Angola is **28.4%**.
- **6** KBAs have full (>98%) coverage by PAs and OECMs.
- **2** KBAs have partial coverage by PAs and OECMs.
- **15** KBAs have no (<2%) coverage by PAs and OECMs.

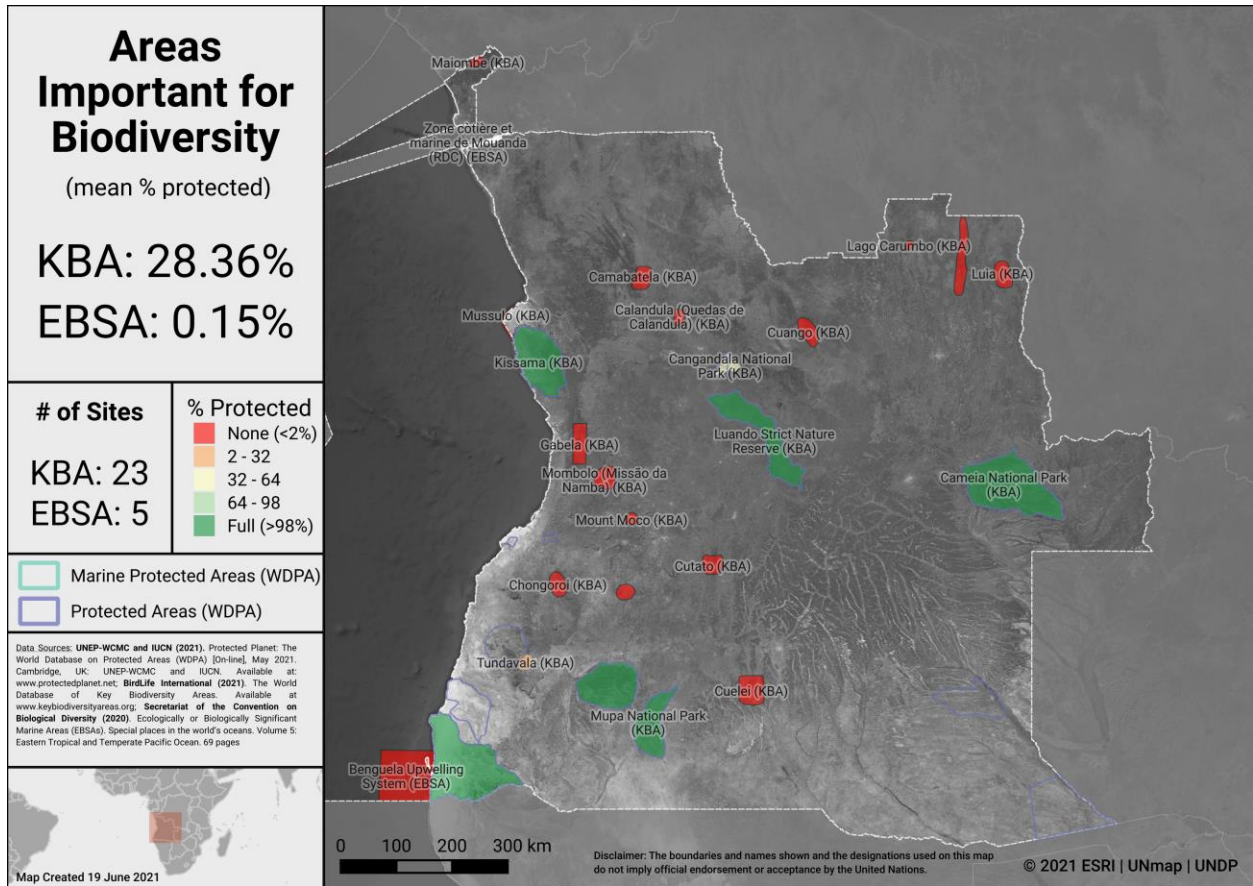
### Ecologically or Biologically Significant Marine Areas (EBSAs)

Other important areas for biodiversity may also include Ecologically or Biologically Significant Marine Areas (EBSAs), which were identified following the scientific criteria adopted at COP-9 (Decision IX/20; see more at: <https://www.cbd.int/ebsa/>). Sites that meet the EBSA criteria may require enhanced conservation and management measures; this could be achieved through means including MPAs, OECMs, marine spatial planning, and impact assessment.

Angola has 5 EBSAs with some portion of their extent within Angola's EEZ; of which, 4 EBSAs have no coverage from PAs or OECMs.





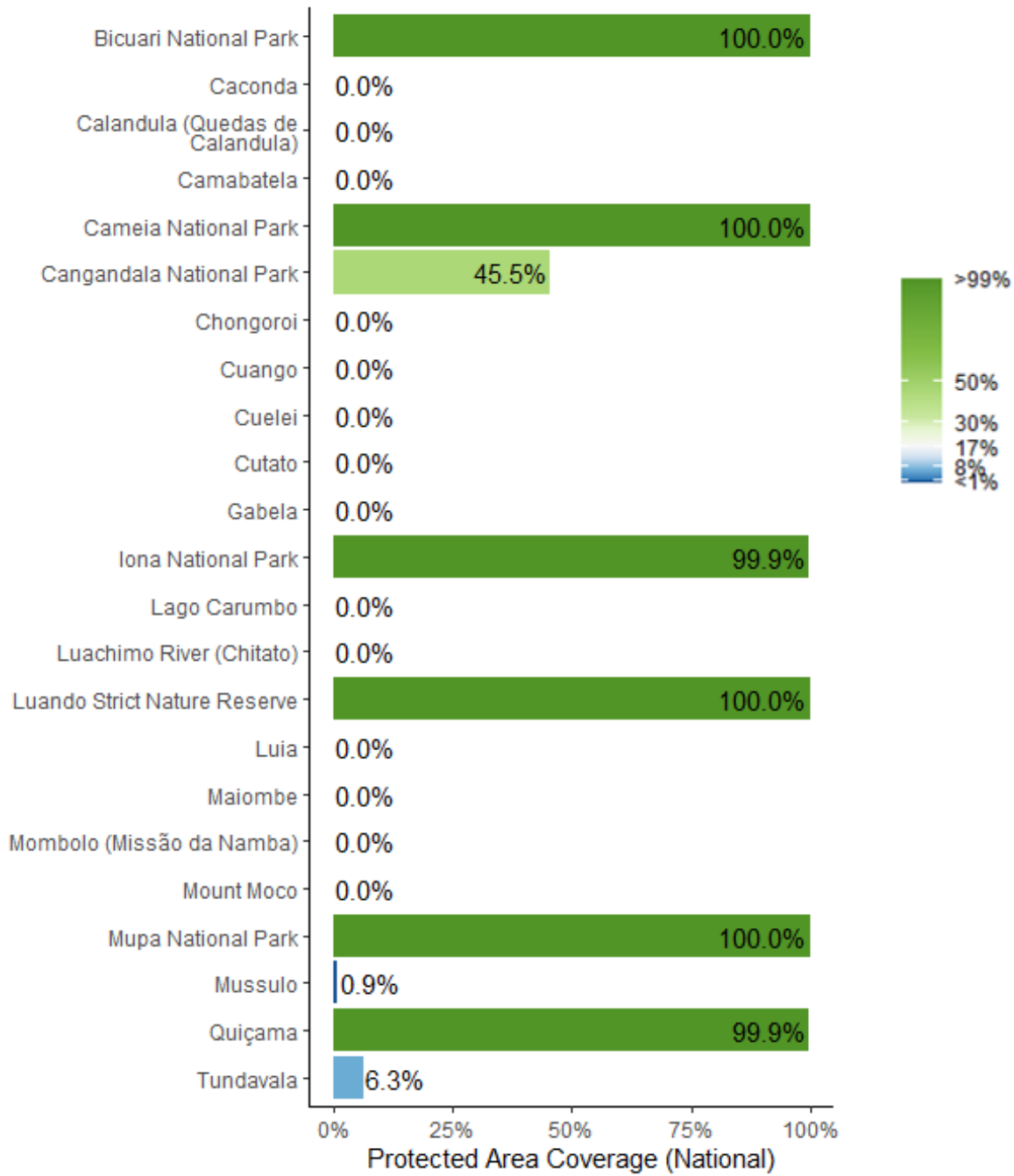


Areas Important for Biodiversity in Angola



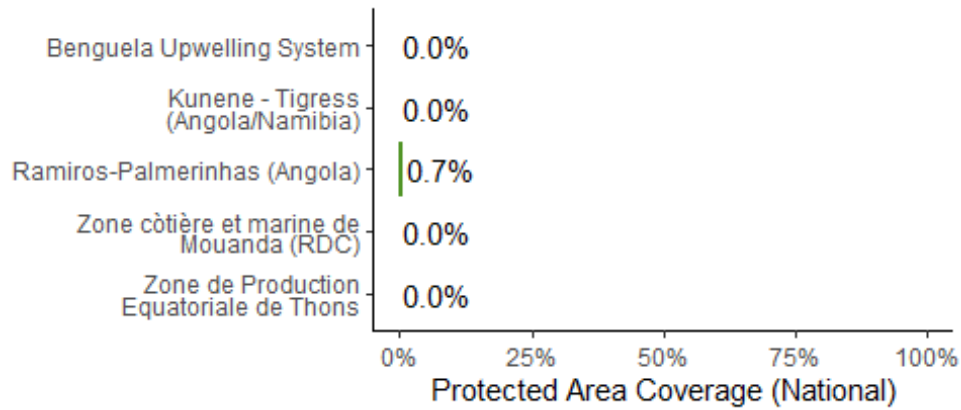


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Key Biodiversity Area Coverage (KBA) in Angola





Ecologically or Biologically Significant Marine Areas (EBSAs) in Angola

#### Opportunities for action

There is opportunity for Angola to increase protection of KBAs that have lower levels of coverage by PAs and OECMs; priority could be given to those with no current coverage



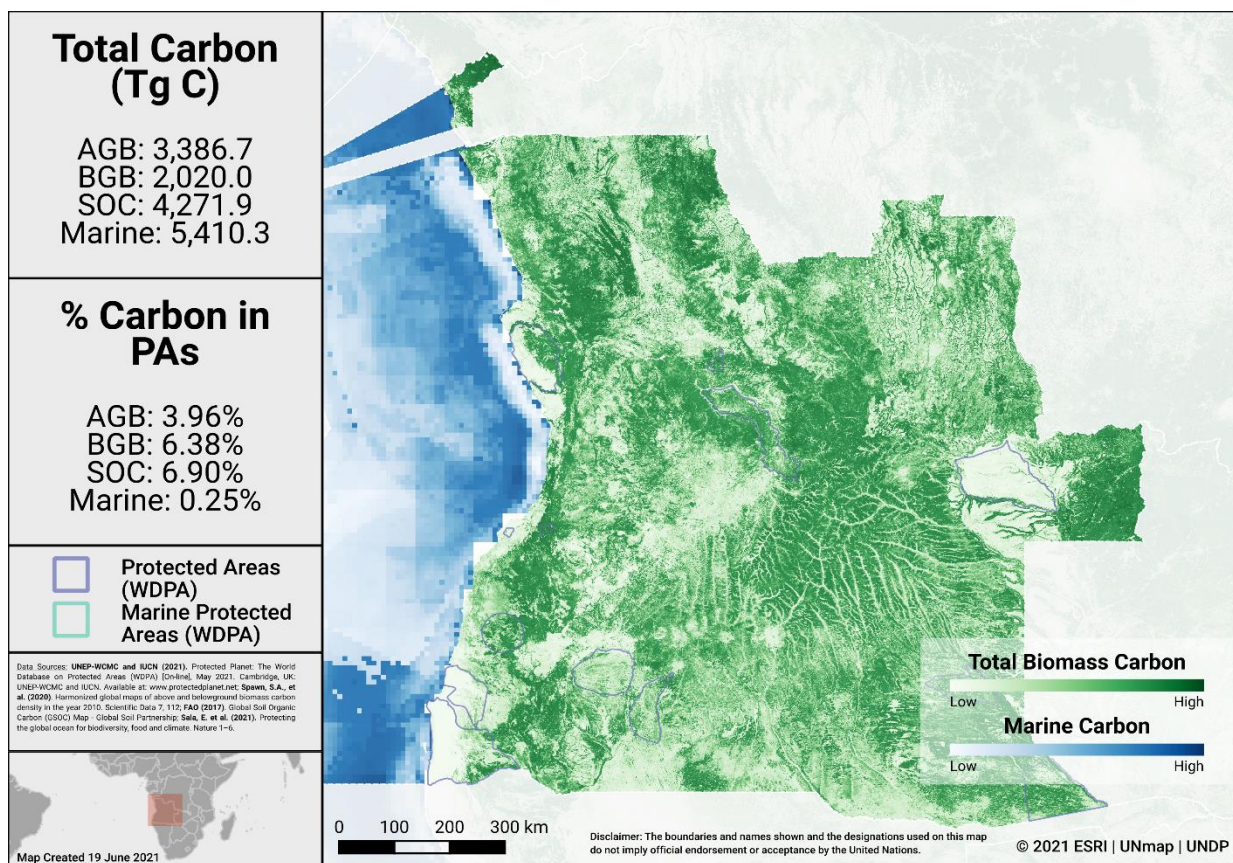
## AREAS IMPORTANT FOR ECOSYSTEM SERVICES

There is no single indicator identified for assessing the conservation of areas important for ecosystem services. For simplicity, two services with available global datasets are assessed here (carbon and water). In future, other critical ecosystem services could be explored.

### Carbon

Data for biomass carbon comes from temporally consistent and harmonized global maps of aboveground biomass and belowground biomass carbon density (at a 300-m spatial resolution); the maps integrate land-cover specific, remotely sensed data, and land-cover specific empirical models (see Spawn et al., 2020 for details on methods). The Global Soil Organic Carbon Map present an estimation of SOC stock from 0 to 30 cm (see FAO, 2017). Data is also presented from global maps of marine sedimentary carbon stocks, standardized to a 1-meter depth (see Sala et al., 2021, and Atwood et al., 2020).

The map below presents the total carbon stocks in Angola and the percent of carbon in protected areas. The total carbon stocks is 3,386.7 Tg C from aboveground biomass (AGB), with 4.0% in protected areas; 2,020.0 Tg C from below ground biomass (BGB), with 6.4% in protected areas; 4,271.9 Tg C from soil organic carbon (SOC), with 6.9% in protected areas; and 5,410.3 Tg C from marine sediment carbon, with 0.2% in protected areas.



Carbon Stocks in Angola

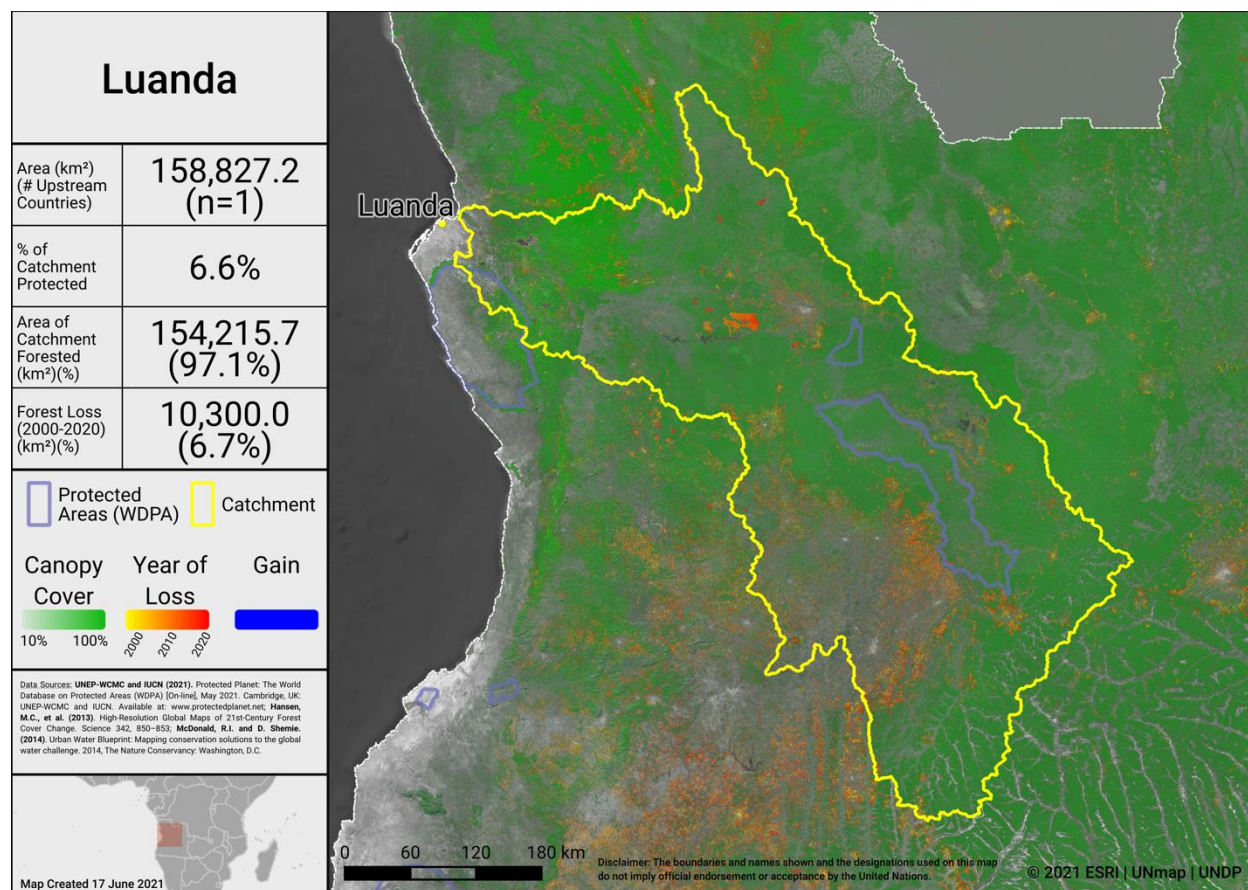


**Water**

Information on the water sources for 534 cities is available via the City Water Map (CWM) and provides details on the catchment area of the watershed that supplies these cities (see McDonald et al., 2014 for details on methodology).

Forests support stormwater management and clean water availability, especially for large urban populations. Research that has examined the role of forests for city drinking water supplies shows that of the world's 105 largest cities, more than 30% (33 cities) rely heavily on the local protected forests, which provide ecosystem services that underpin local drinking water availability and quality (Dudley & Stolton, 2003)

Drinking water supplies for cities in Angola similarly depend on protected forest areas within and around water catchments. The map below show the percentage forest cover and the forest loss from 2000-2020 in the most heavily populated water catchments of Angola. Intact catchments support more consistent water supply and improved water quality.



Water catchment for Luanda, Angola.

### Opportunities for action

For carbon, there is opportunity for Angola to increase PA and OECM coverage in both marine and terrestrial areas with high carbon stocks, as identified in the map above. Protecting areas with high carbon stocks secures the benefits of carbon sequestration in the area.

For water, there is opportunity to increase the area of the water catchment under protection by PAs and OECMs, or in cases where there is high levels of protection, focus on effective management for these areas. Protecting the current area of forested land and potentially reforesting would have benefits for improving water security.



## CONNECTIVITY & INTEGRATION

Two global indicators, the Protected Connected land indicator (ProtConn; EC-JRC, 2021; Saura et al., 2018) and the PARC-Connectedness indicator (CSIRO, 2019), have been proposed for assessing the terrestrial connectivity of PA and OECM networks. To date there is not a global indicator for assessing marine connectivity, though some recent developments include proposed guidance for the treatment of connectivity in the planning and management of MPAs (see Lausche et al., 2021).

### Protected Connected Land Indicator (Prot-Conn)

As of January 2021, as reported in the Joint Research Centre of the European Commission's Digital Observatory for Protected Areas (DOPA) (JRC, 2021), the coverage of protected-connected lands (a measure of the connectivity of terrestrial protected area networks, assessed using the ProtConn indicator) in Angola was 2.5%.

### PARC-Connectedness Index

In 2019, as assessed using the PARC-Connectedness Index (values ranging from 0-1, indicating low to high connectivity), connectivity in Angola is 0.54. This represents no significant change since 2010.

### Corridor case studies

Below is a list of case studies on corridors and connectivity in Angola:

Case study title	Type of study region	Greatest threat to connectivity	Approaches to conserving ecological corridors
Connectivity conservation in the Kavango Zambezi Transfrontier Conservation Area: The Zambezi-Chobe Floodplain Wildlife Dispersal Area	terrestrial, rural	deforestation, uncontrolled settlements, overgrazing, over-exploitation of fish, uncontrolled fires	<ul style="list-style-type: none"> <li>• establishment of a five-country transfrontier conservation area</li> <li>• development of integrated development plans</li> <li>• creating awareness and engaging local stakeholders</li> <li>• establishment of community conservancies</li> <li>• promotion of conservation agriculture</li> <li>• establishment of wildlife sanctuaries</li> </ul>

Further details are available in Hilty et al., 2020.

### Opportunities for action

There is opportunity for a general increase in PA or OECM cover and to focus on PAs and OECMs management for enhancing and maintaining connectivity. Increasing connectivity increases the effectiveness of PAs and OECMs and reduces the impacts of fragmentation.





As well, a range of suggested steps for enhancing and supporting integration are included in the voluntary guidance on the integration of PAs and OECMs into the wider land- and seascapes and mainstreaming across sectors to contribute, inter alia, to the SDGs (Annex I of COP Decision 14/8).



## GOVERNANCE DIVERSITY

There is a lack of comprehensive global data on governance quality and equity in PAs and OECMs. Here, we provide data on the diversity of governance types for reported PAs and OECMs.

As of May 2021, PAs in Angola reported in the WDPA have the following governance types:

- 0.0% are governed by **governments**
- 0.0% are under **shared** governance
- 0.0% are under **private** governance
- 0.0% are under **IPLC** governance
- 100.0% **do not** report a governance type

### OECMs

As of May 2021, there are **0** OECMs in Angola reported in the WD-OECM, therefore there is no data available on OECM governance types.

### Privately Protected Areas (PPAs)

There is no data available on PPAs for Angola (see Gloss et al., 2019, and Stolton et al., 2014 for details).

### Information on territories and areas conserved by Indigenous Peoples and local communities (ICCAs) reported from CBD technical series case studies:

There is no data available on ICCAs for Angola (see Kothari et al., 2012 and the [ICCA Registry](#) for further details).

### Other Indigenous lands

Lands managed and/or controlled by Indigenous Peoples cover an area of 65,509.0 km<sup>2</sup>, of which 39,910.0 km<sup>2</sup> falls outside of formal protected areas. Indigenous lands with a human footprint less than 4 (considered as 'natural landscapes') cover an area of 14,895.0 km<sup>2</sup> (for details on analysis see Garnett et al., 2018).

For Angola, evidence for the presence of Indigenous Peoples comes from: Indigenous Work Group on Indigenous Affairs. Indigenous Peoples in Angola (International Working Group on Indigenous Affairs, 2017).

Boundaries of the lands Indigenous Peoples manage or have tenure rights over come from:

San/!xun: Robins, S., Madzudzo, E. & Brenzinger, M. Regional assessment of the status of the San in Southern Africa: an assessment of the status of the San in South Africa, Angola, Zambia and Zimbabwe (Legal Assistance Centre, 2001)



Himba, Kuvale, Kwepe, Kwisi, Twa: Coelho, M., Sequeira, F., Luiselli, D., Beleza, S. & Rocha, J. On the edge of Bantu expansions: mtDNA, Y chromosome and lactase persistence genetic variation in southwestern Angola. *BMC Evol. Biol.* 9, 80 (2009)

Tjimba, !xun: Coelho et al 2009; Oliveira, S. et al. The maternal genetic history of the Angolan Namib Desert: a key region for understanding the peopling of southern Africa. *bioRxiv*, [doi:10.1101/162230](https://doi.org/10.1101/162230) (2017).

### Opportunities for action

Increase efforts to identify the governance types for the 100.0% of sites that do not have their governance type reported. If applicable, explore opportunities for governance types that have lower representation.

There is also opportunity for Angola to complete governance and equity assessments, to establish baselines and identify relevant actions for improvement. Examples of existing tools and methodologies include: Governance Assessment for Protected and Conserved Areas (Franks & Brooker, 2018), Social Assessment of Protected Areas (Franks et al 2018), and Site-level assessment of governance and equity (IIED, 2020). As well, a range of suggested actions are included in the voluntary guidance on effective governance models for management of protected areas, including equity (Annex II of COP Decision 14/8).



## PROTECTED AREA MANAGEMENT EFFECTIVENESS

This provides information on the coverage of PAs and OECMs with completed protected area management effectiveness (PAME) assessments as reported in the global database (GD-PAME). The proportion of terrestrial and marine PAs with completed PAME assessments is also calculated and compared with the 60% target agreed to in COP-10 Decision X/31. Information is also included regarding changes in forest cover nationally within PAs and OECMs.

### Protected area management effectiveness (PAME) assessments

As of May 2021, Angola has 14 PAs reported in the WDPA; of these PAs, 4 (28.6%) have management effectiveness evaluations reported in the global database on protected area management effectiveness (GD-PAME).

- 2.6% (32,400 km<sup>2</sup>) of the terrestrial area of the country is covered by PAs with completed management effectiveness evaluations.
  - 37.0% of the area of terrestrial PAs have completed evaluations.
- 0.0% (20 km<sup>2</sup>) of the marine area of the country is covered by PAs with completed management effectiveness evaluations.
  - 81.1% of the area of marine PAs have completed evaluations.

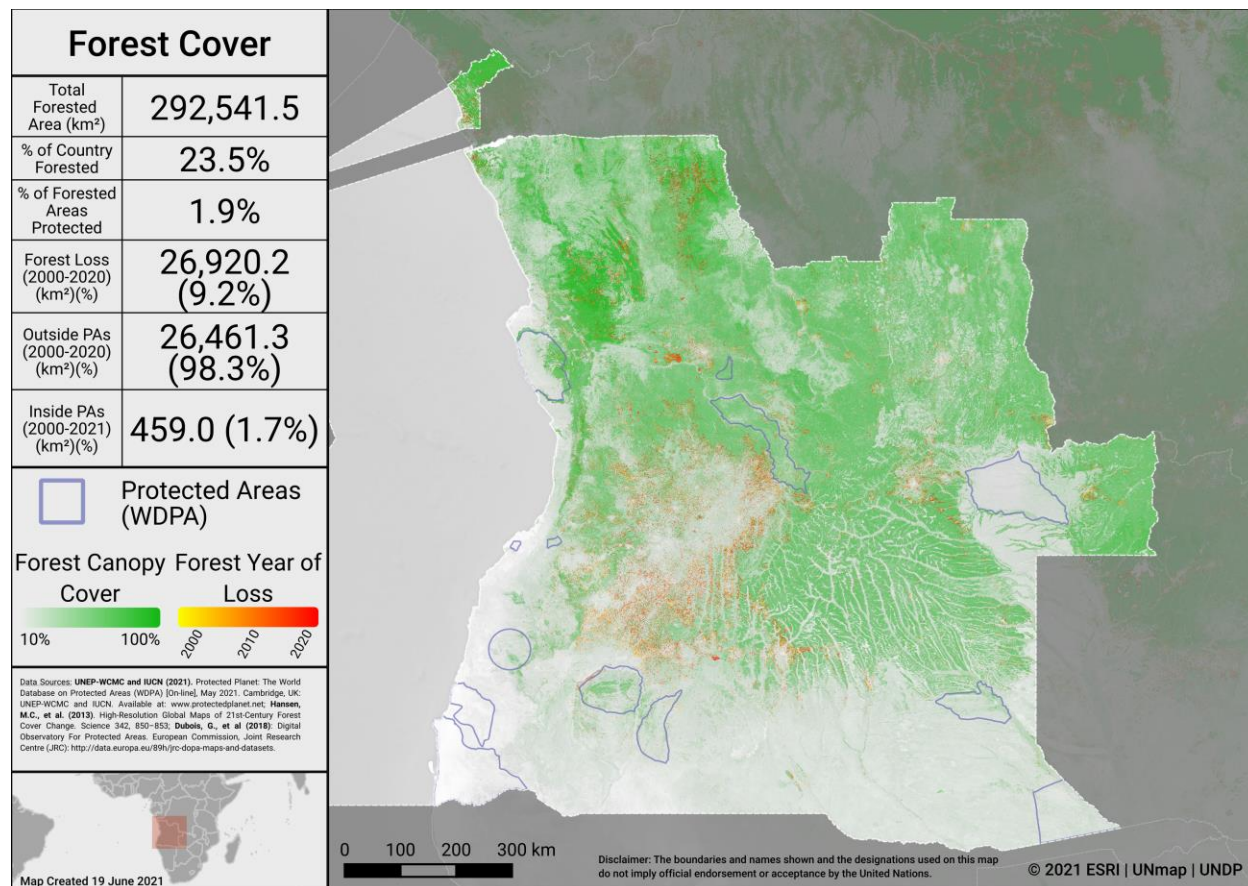
The 60% target for completed management effectiveness assessments (per COP Decision X/31) **has not** been met for terrestrial PAs and **has** been met for marine PAs.

As of May 2021, there are 0 OECMs in Angola reported in the WD-OECM and no information available on the management effectiveness of potential OECMs.

### Changes in forest cover in protected areas and OECMs

Forested areas in Angola cover approximately 23.5% of the country, an area of 292,541.5 km<sup>2</sup>. Approximately 1.9% (5,550.6 km<sup>2</sup>) of this is within the protected area estate of Angola. Over the period 2000-2020 loss of forest cover amounted to over 26,920.2 km<sup>2</sup>, or 9.2% of the country, of which 459.0 km<sup>2</sup> (1.7% of forest loss) occurred within protected areas. The map below shows how forest cover has changed in Angola from 2000-2020 both inside and outside of PAs. This can indicate how effective PAs are in reducing forest cover loss.





### Forest Cover and Forest Loss in Angola

#### Opportunities for action

The 60% target for completed management effectiveness assessments (per COP Decision X/31) **has not** been met for terrestrial PAs and **has** been met for marine PAs. Therefore, there is opportunity to increase protected area management effectiveness (PAME) evaluations for terrestrial PAs to achieve the target.

There is also opportunity to implement the results of completed PAME evaluations, to improve the quality of management for existing PAs and OECMs (e.g. through adaptive management and information sharing, increasing the number of sites reporting 'sound management') and to increase reporting of biodiversity outcomes in PAs and OECMs.



## SECTION II: EXISTING PROTECTED AREA AND OECM COMMITMENTS

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### NATIONAL BIODIVERSITY STRATEGY AND ACTION PLANS (NBSAPs)

Angola has submitted an NBSAP during the Strategic Plan for Biodiversity 2011-2020 (most recent NBSAP is available at: <https://www.cbd.int/nbsap/search/>).

This NBSAP **did** include a quantitative target for **terrestrial** PAs or OECMs.

*National Objective 2.2: By 2025, Propose the creation of conservation areas to include biomes, ecosystems, habitats and rare or endangered species, increasing the surface of Conservation Areas from 12.6% to 17% of the country's surface.*

- As of May 2021 (based on the WDPA/WD-OECM) has the target been met: **No (but post-2020 target date)**
- Accounting for other projects, actions and commitments, if this target is met, coverage in the country will increase by **116,558 km<sup>2</sup>** (by 2025).





## APPROVED GEF-5 & GEF-6 PROTECTED AREA PROJECTS

### Approved GEF-5 and GEF-6 PA-related biodiversity projects

This includes biodiversity projects from the fifth and sixth replenishment of the Global Environment Facility (GEF-5 and GEF-6) with a clear impact of the quantity or quality of PAs; also including some projects occurring within the wider landscapes/seascapes around PAs. Only those with a status of 'project approved' or 'concept approved' as of June 2019 were considered. The qualifying elements likely benefiting from each GEF project is assessed based on a keyword search of Project Identification Forms (PIF). Where spatial data for the proposed PAs was available, further details (based on an analysis by UNDP) regarding their impacts for ecological representation, coverage of KBAs, and coverage of areas important for carbon storage is included.

GEF ID	PA increase ?	Area to be added (km <sup>2</sup> )	Type of new protected area	Qualitative elements potentially benefitting (based on keyword search of PIFs)
4589	Yes	9,323	Terrestrial	All except Ecosystem services and Connectivity
9735	No	N/A	N/A	Effectively managed; Equitably managed; Connectivity; Integration
9748	No	N/A	N/A	All except Ecosystem services

Based on spatial data available for GEF project 4589 and 9748, benefits will arise for several elements of Target 11:

#### Coverage of Terrestrial and Marine Ecoregions:

- 6 Terrestrial Ecoregions will have improved coverage. These Ecoregions are: Angolan scarp savanna and woodlands; Angolan wet miombo woodlands; Congolian coastal forests; Southern Congolian forest-savanna; Western Congolian forest-savanna; Zambezian Baikiaea woodlands.
  - The average increase in coverage of Terrestrial Ecoregions will be 4.85%.
- 2 Marine Ecoregions will have improved coverage. These Marine Ecoregions are: Angolan; Namib.
  - The average increase in coverage of Marine Ecoregions will be 6.95%.

#### Coverage of KBAs:

- Coverage will improve for 7 KBAs.

#### Ecosystem services:



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- 7.67 % increase in the PA coverage of aboveground biomass.
- 2.59 % increase in the PA coverage of important aboveground biomass areas.
- 3.13 % increase in the PA coverage of soil organic carbon (SOC).
- 2.58 % increase in the PA coverage of areas important for SOC.



## OTHER ACTIONS/COMMITMENTS

Angola's statement at the 2020 UN Biodiversity Summit mentions PAs, OECMs or corridors:

*We are now further expanding our Protected Areas Network to better represent our ecosystems and effectively increase this coverage by 17% before 2025. Additionally, we have recognized 11 wetlands of national importance, as well as 5 additional ecological or biological significant marine areas, adding to the existing two of which one is in the process of becoming our first Marine Protected Area.*

### High Ambition Coalition for Nature and People

Angola **has** joined the High Ambition Coalition for Nature and People.

The High Ambition Coalition for Nature and People (HAC) is an intergovernmental group, co-chaired by France and Costa Rica [currently including 65 countries and the European Commission]. Its objective is to support the adoption of a target aiming to protect 30% of the planet's land and 30% of its oceans by 2030 (30x30 target), within the future global framework of the Convention on Biological Diversity (CBD) for the protection of biodiversity, which is to be adopted at the next COP in China this autumn.



# ANNEX I

## FULL LIST OF TERRESTRIAL ECOREGIONS

Ecoregion Name	Area (km <sup>2</sup> )	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km <sup>2</sup> )	% Protected in Country
Angolan montane forest-grassland	17,254.0	100.0	1.4	0.0	0.0
Angolan mopane woodlands	40,155.7	21.0	3.2	2,571.2	6.4
Angolan scarp savanna and woodlands	136,167.9	100.0	10.9	8,588.7	6.3
Angolan wet miombo woodlands	418,136.5	93.6	33.5	11,051.3	2.6
Central African mangroves	1,255.1	4.1	0.1	0.0	0.0
Central Zambezan wet miombo woodlands	28,061.1	2.8	2.3	0.0	0.0
Congolian coastal forests	2,474.0	1.3	0.2	0.0	0.0
Dry miombo woodlands	125,894.1	10.6	10.1	4,929.1	3.9
Kaokoveld desert	12,329.8	37.2	1.0	10,719.2	86.9
Namibian savanna woodlands	46,412.4	45.2	3.7	11,815.2	25.5
Southern Congolian forest-savanna	58,332.4	10.3	4.7	0.0	0.0
Western Congolian forest-savanna	131,486.5	35.2	10.5	47.8	0.0
Zambezan Baikiaea woodlands	163,735.8	45.7	13.1	23,021.7	14.1
Zambezan evergreen dry forests	8,684.4	27.5	0.7	0.0	0.0



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<b>Ecoregion Name</b>	<b>Area (km<sup>2</sup>)</b>	<b>% of Global Ecoregion in Country</b>	<b>% of Country in Ecoregion</b>	<b>Area Protected (km<sup>2</sup>)</b>	<b>% Protected in Country</b>
Zambezeian flooded grasslands	56,463.1	28.0	4.5	14,125.3	25.0



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