



Convention on
Biological Diversity



Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

With generous support from:



DEUTSCHE ZUSAMMENARBEIT

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



UK Government



WCMC



Global Partnership on
AICHI TARGET 11



TABLE OF CONTENTS

GLOSSARY	3
EXECUTIVE SUMMARY	5
<i>Aichi Biodiversity Target 11 Elements: Current status and opportunities for action</i>	5
INTRODUCTION	8
SECTION I: CURRENT STATUS	10
<i>COVERAGE - TERRESTRIAL & MARINE</i>	11
<i>ECOLOGICAL REPRESENTATIVENESS – TERRESTRIAL & MARINE</i>	14
<i>AREAS IMPORTANT FOR BIODIVERSITY</i>	19
<i>AREAS IMPORTANT FOR ECOSYSTEM SERVICES</i>	24
<i>CONNECTIVITY & INTEGRATION</i>	27
<i>GOVERNANCE DIVERSITY</i>	28
<i>PROTECTED AREA MANAGEMENT EFFECTIVENESS</i>	30
SECTION II: EXISTING PROTECTED AREA AND OECM COMMITMENTS	31
<i>PRIORITY ACTIONS FROM 2015-2016 REGIONAL WORKSHOPS</i>	31
<i>NATIONAL BIODIVERSITY STRATEGY AND ACTION PLANS (NBSAPs)</i>	32
<i>APPROVED GEF-5, GEF-6, & GCF PROTECTED AREA PROJECTS</i>	33
<i>UN OCEAN CONFERENCE VOLUNTARY COMMITMENTS</i>	35
<i>OTHER ACTIONS/COMMITMENTS</i>	36
ANNEX I	37
<i>FULL LIST OF TERRESTRIAL ECOREGIONS</i>	37
REFERENCES	38



GLOSSARY

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



4 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

Disclaimer

The designations employed and the presentation of material in this dossier do not imply the expression of any opinion whatsoever on the part of the Secretariat of the Convention on Biological Diversity (SCBD) or United Nations Development Programme (UNDP) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. The information contained in this publication do not necessarily represent those of the SCBD or UNDP.

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.

This publication may be reproduced for educational or non-commercial purposes without special permission from the copyright holders, provided acknowledgement of the source is made. The SCBD and UNDP would appreciate receiving a copy of any publications that use this document as a source.



EXECUTIVE SUMMARY

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. Where available, data from national statistics for the elements of Target 11 are included alongside records from these global databases. 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 CBD are requested to contact 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 Mozambique is 233,248.9 km² (29.5%) and marine coverage is 12,326.3 km² (2.1%).
- **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:** Mozambique contains 13 terrestrial ecoregions, 3 marine ecoregions, and 1 pelagic province: the mean coverage by reported PAs and OECMs is 27.8% (terrestrial), 8.1% (marine), and 0.2% (pelagic); 3 terrestrial ecoregions have no coverage by reported PAs and OECMs (1 of which covers <2km² within the country).
- **Opportunities for action:** there is opportunity for Mozambique 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.



6 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

Areas Important for Biodiversity

- **Status:** From a national review of KBAs in Mozambique, there were 29 KBAs in the country, with ~85% of their total area under some form of formal protection status, while 11 KBAs are unprotected.
- **Opportunities for action:** there is opportunity for Mozambique 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 Mozambique, 29.1% of aboveground biomass carbon, 32.6% of belowground biomass carbon, 28.8% of soil organic carbon, 2.0% of carbon stored in marine sediments is covered by PAs and OECMs.
- **Opportunities for action:** for carbon, there is opportunity for Mozambique 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 12.6%.
- **Opportunities for action:** there is opportunity for a targeted increase in connecting PAs or OECMs and to focus on PA and OECM management for enhancing and maintaining connectivity. Improving 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:** the most common governance type(s) for reported PAs in Mozambique is: 75.0% under Government (42.2% Federal or national ministry or agency; 32.8% Government-delegated management).
- **Opportunities for action:** there is also opportunity for Mozambique 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



7 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

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:** 39.6% of terrestrial PAs and 77.9% 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

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 (PA) 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 Convention on Biological Diversity. 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 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 Mozambique. Section I of the dossier presents data on the current status of Mozambique’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 Mozambique, in relation to each Target 11 element. The analyses present options for improving Mozambique’s area-based conservation network to achieve enhanced protection and benefits for livelihoods and climate change. Section II presents details on Mozambique’s existing PA and OECM commitments as a summary of existing efforts towards achieving Target 11. This gives focus not only to national policy and actions but also voluntary



9 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

commitments to the UN. Furthermore, where data is available, this dossier provides information on potential OECMs, Indigenous and 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. 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), and these should be directed to 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 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

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. Where available, results from national reporting are also included.



COVERAGE - TERRESTRIAL & MARINE

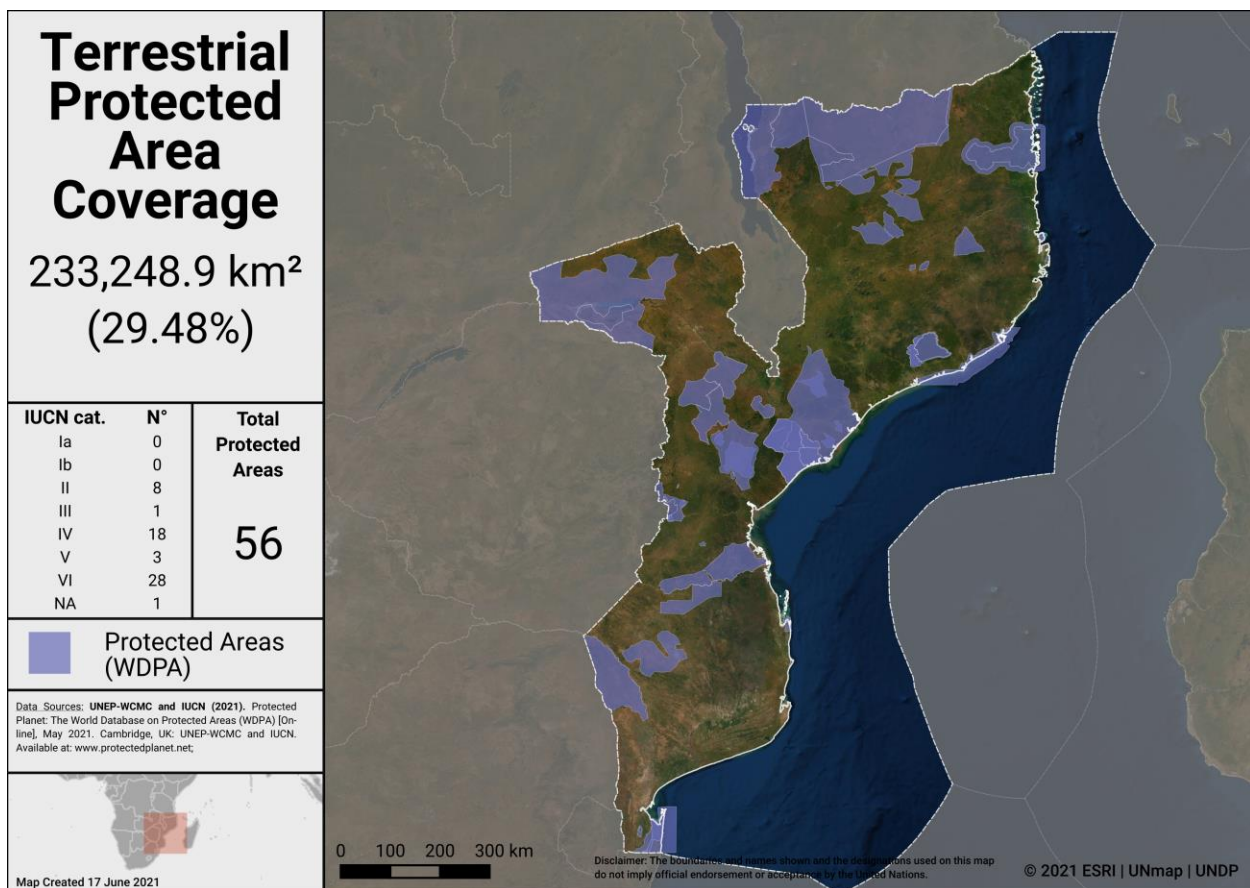
As of May 2021, Mozambique has **58** protected areas reported in the World Database on Protected Areas (WDPA).

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

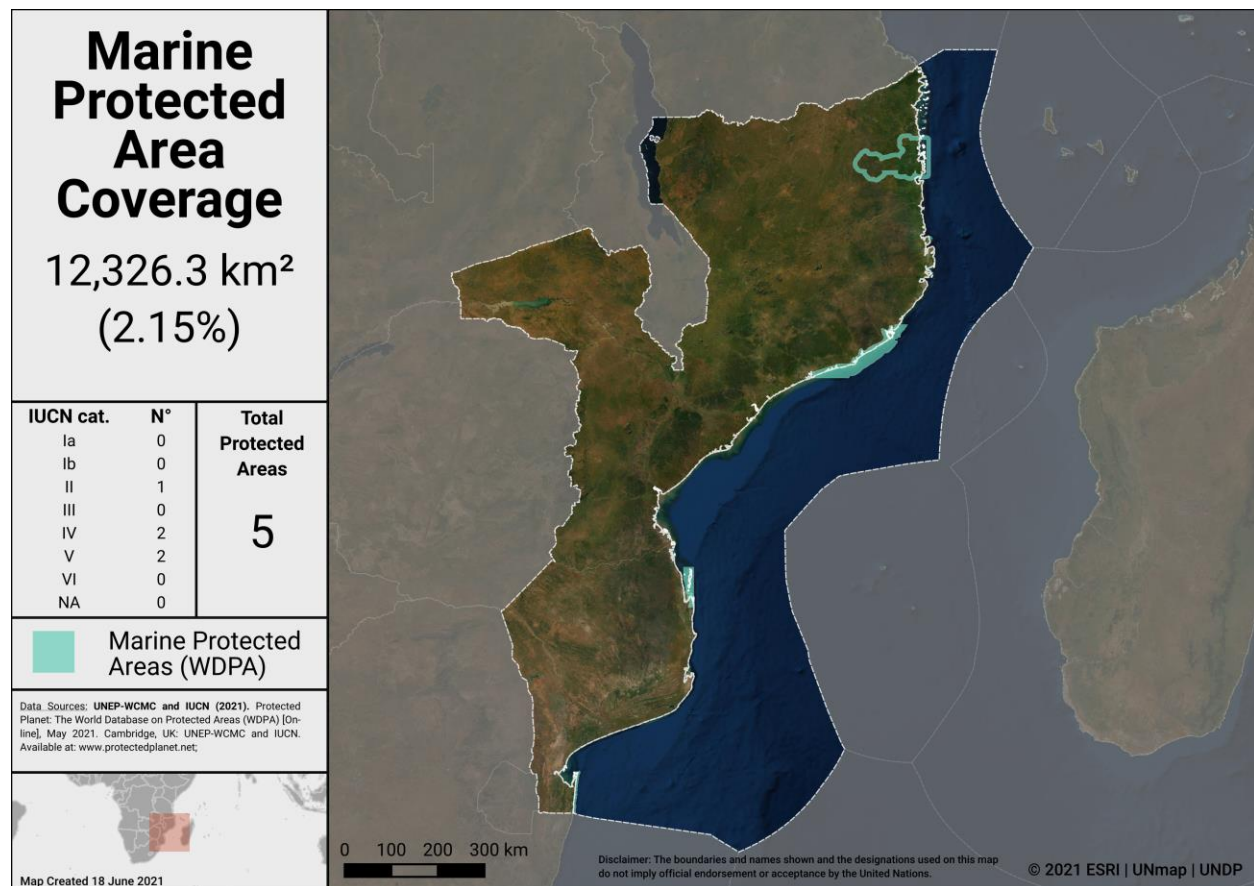
Current coverage for Mozambique:

- 29.5% terrestrial (56 protected areas, 233,248.9 km²)
- 2.1% marine (5 protected areas, 12,326.3 km²)

ANAC has joined the technical team of the BIOPAMA-RRS Hub and will be working on updating the contents of the WDPA in the future.



Terrestrial Protected Areas in Mozambique



Marine Protected Areas in Mozambique

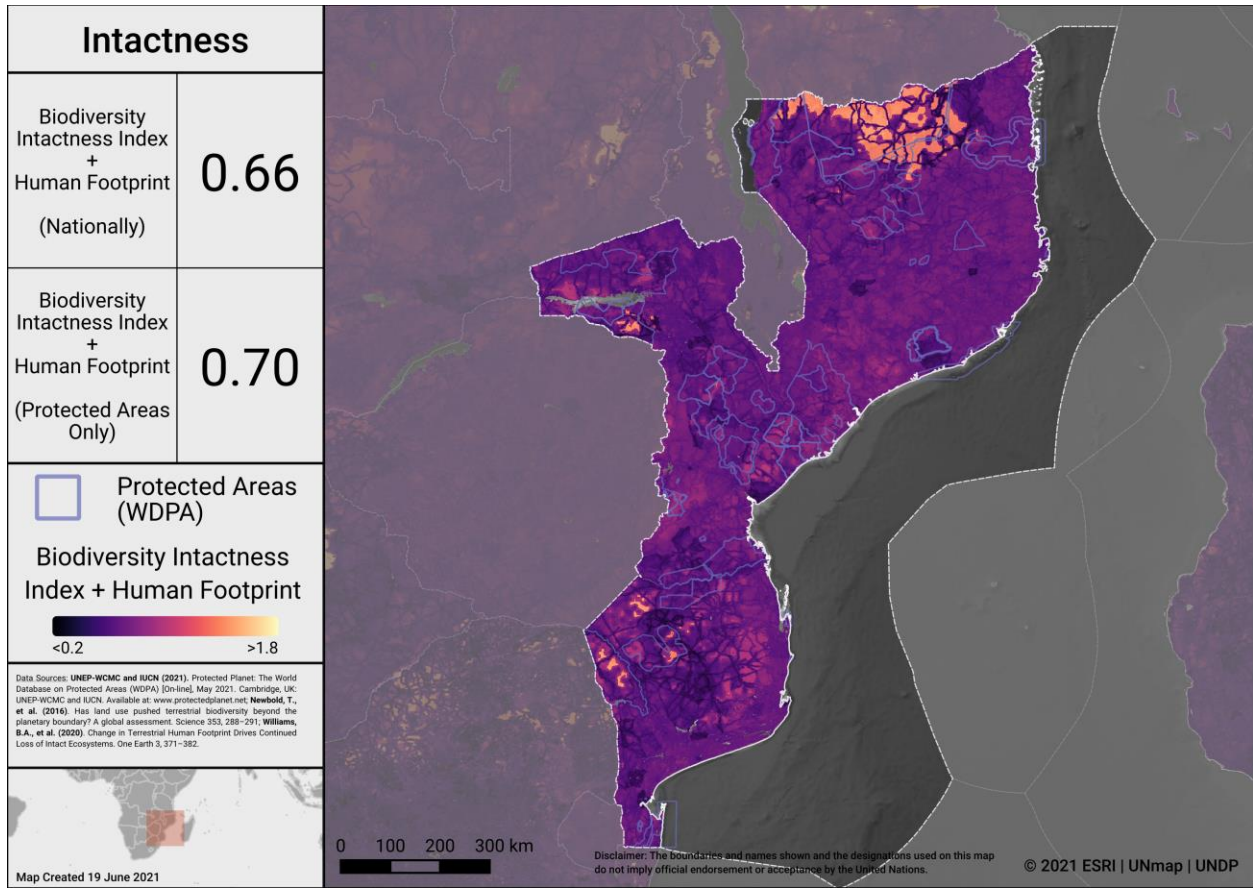
Potential OECMs

There are currently no potential OECM examples for Mozambique.

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, as Mozambique considers where to add new PAs and OECMs, the map below identifies areas in Mozambique where intact terrestrial 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.

13 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE



Intactness in Mozambique

To explore more on intactness visit the UN Biodiversity Lab: 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).

Mozambique has 13 **terrestrial** ecoregions. Out of these:

- 10 ecoregions have at least some coverage from PAs and OECMs.
 - 1 of the remaining ecoregions covers <2 km² within the country
- 6 ecoregions have at least 17% protected within the country.
- The average coverage of terrestrial ecoregions is 27.8%.

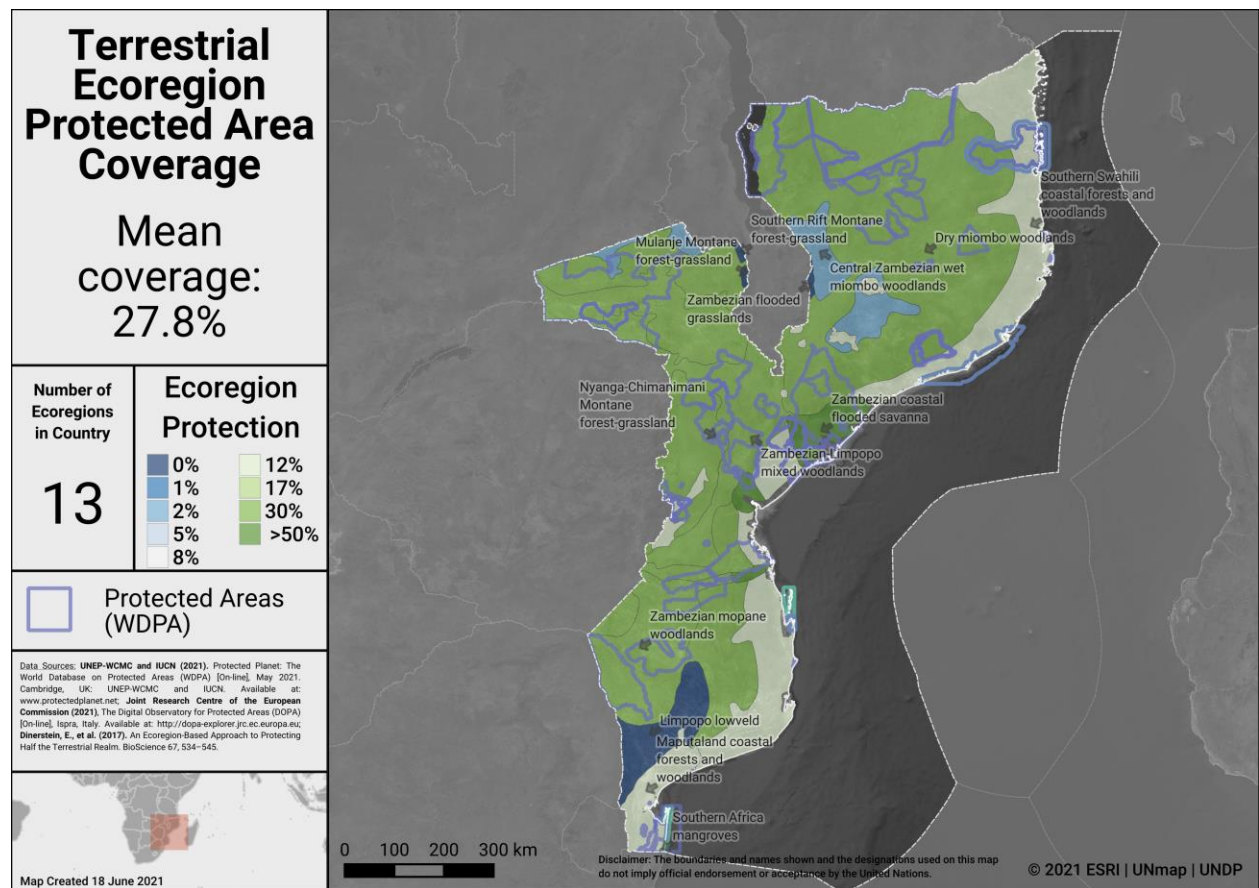
Mozambique has 3 **marine** ecoregions and 1 **pelagic province**. Out of these:

- All 3 marine ecoregions and 1 pelagic province have at least some coverage from reported PAs and OECMs.
- 0 marine ecoregions and 0 pelagic provinces have at least 10% protected within Mozambique's exclusive economic zone (EEZ).
- The average protected area coverage of marine ecoregions is 8.1% and the average protected area coverage of Pelagic Provinces is 0.2%.

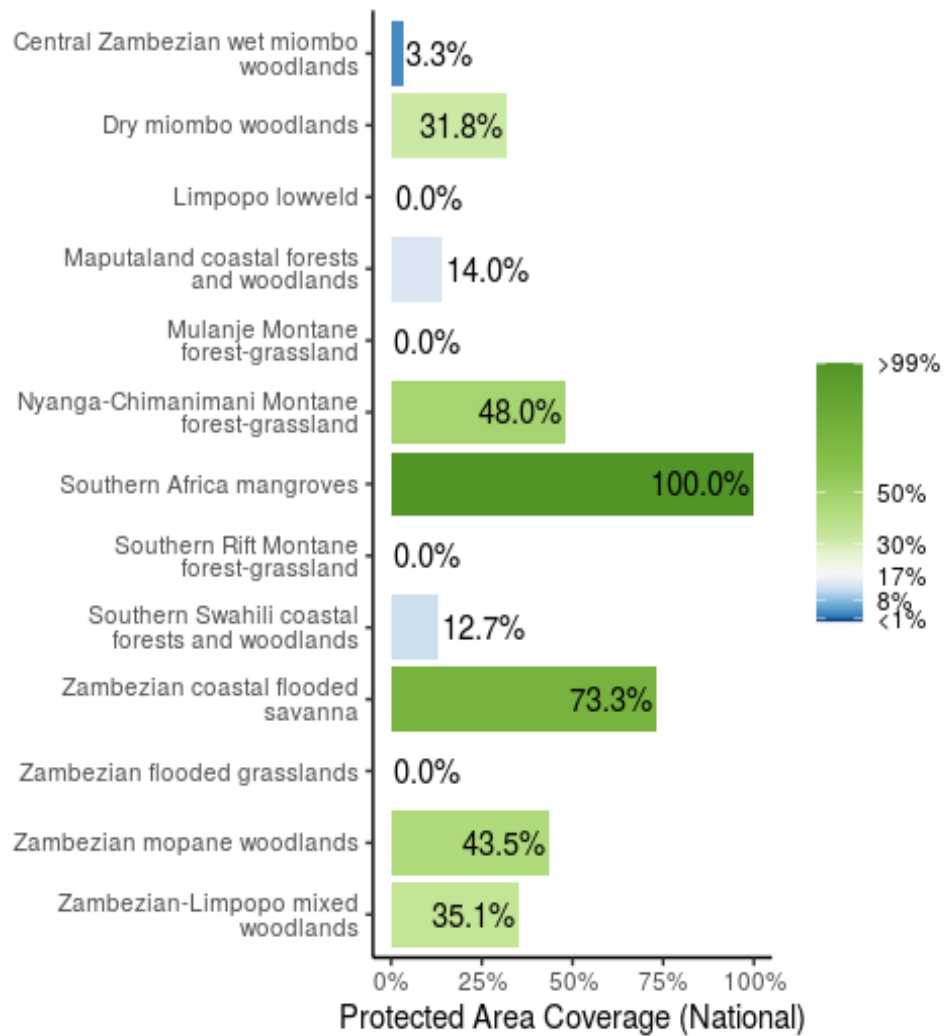
A full list of terrestrial ecoregions in Mozambique is available in Annex I.

A detailed habitat map in Mozambique is being finalized, which will provide an update to the maps produced in 1967/1969.



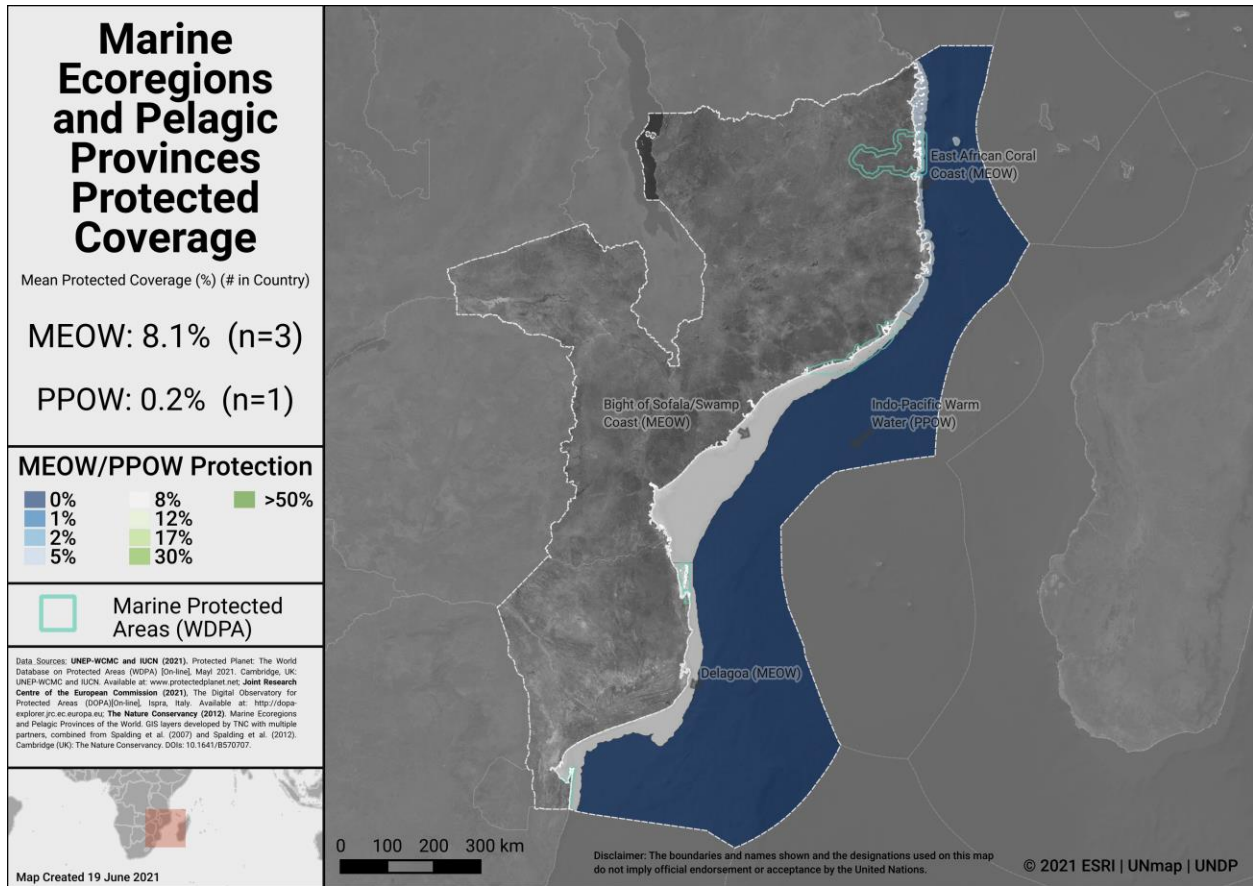


Terrestrial ecoregions in Mozambique

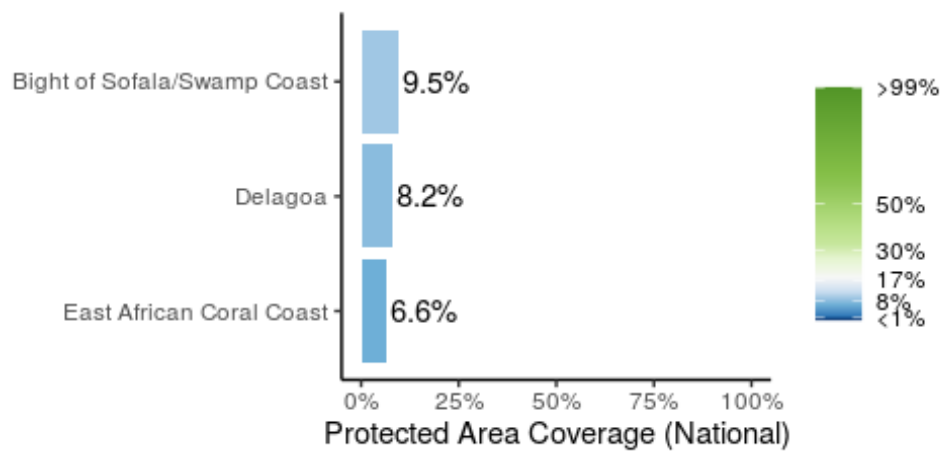


Terrestrial ecoregions of the World (TEOW) in Mozambique

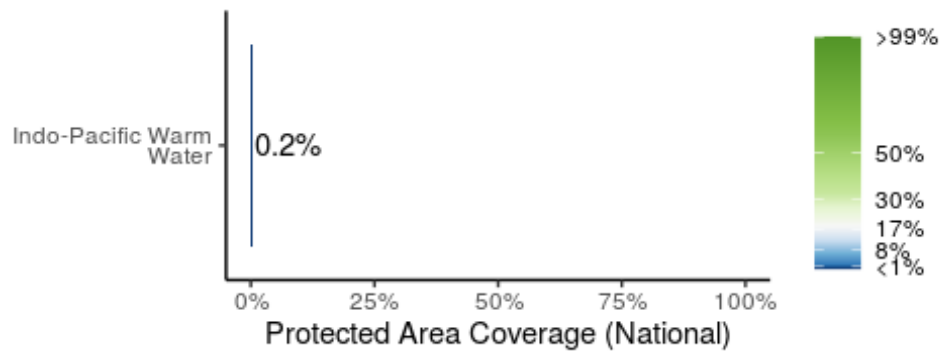




Marine ecoregions and pelagic provinces



Marine Ecoregions of the World (MEOW) in Mozambique



Pelagic Provinces of the World (PPOW) in Mozambique

Opportunities for action

There is opportunity for Mozambique 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.

This country has established a Key Biodiversity Area (KBA) National Coordination Group which brings together a wide range of stakeholders, from government agencies, NGOs, academia and wider society. The group oversees and coordinates the identification, delineation, monitoring and promotion of conservation of KBAs, and is currently undertaking a national assessment of KBAs across all taxonomic groups and ecosystems for which data exist, building on the existing network of KBAs in the country.

Mozambique has 29 Key Biodiversity Areas (KBAs) [**24 KBAs** included in global analysis]

- Mean percent coverage of all KBAs by PAs and OECMs in Mozambique is **44.1%**.
- **8** KBAs have full (>98%) coverage by PAs and OECMs.
- **4** KBAs have partial coverage by PAs and OECMs.
- **12** KBAs have no (<2%) coverage by PAs and OECMs.

*From a national review of KBAs in Mozambique (covering **29 KBAs**)¹*

- Around 85% of the total area covered by the KBAs is under some form of formal protection status, including 20% (n=6) that overlaps with forest reserves

¹ See *Red List of threatened species, ecosystems, identification and mapping of Key Biodiversity Areas (KBAs) in Mozambique - Final Report (VOL. I)*

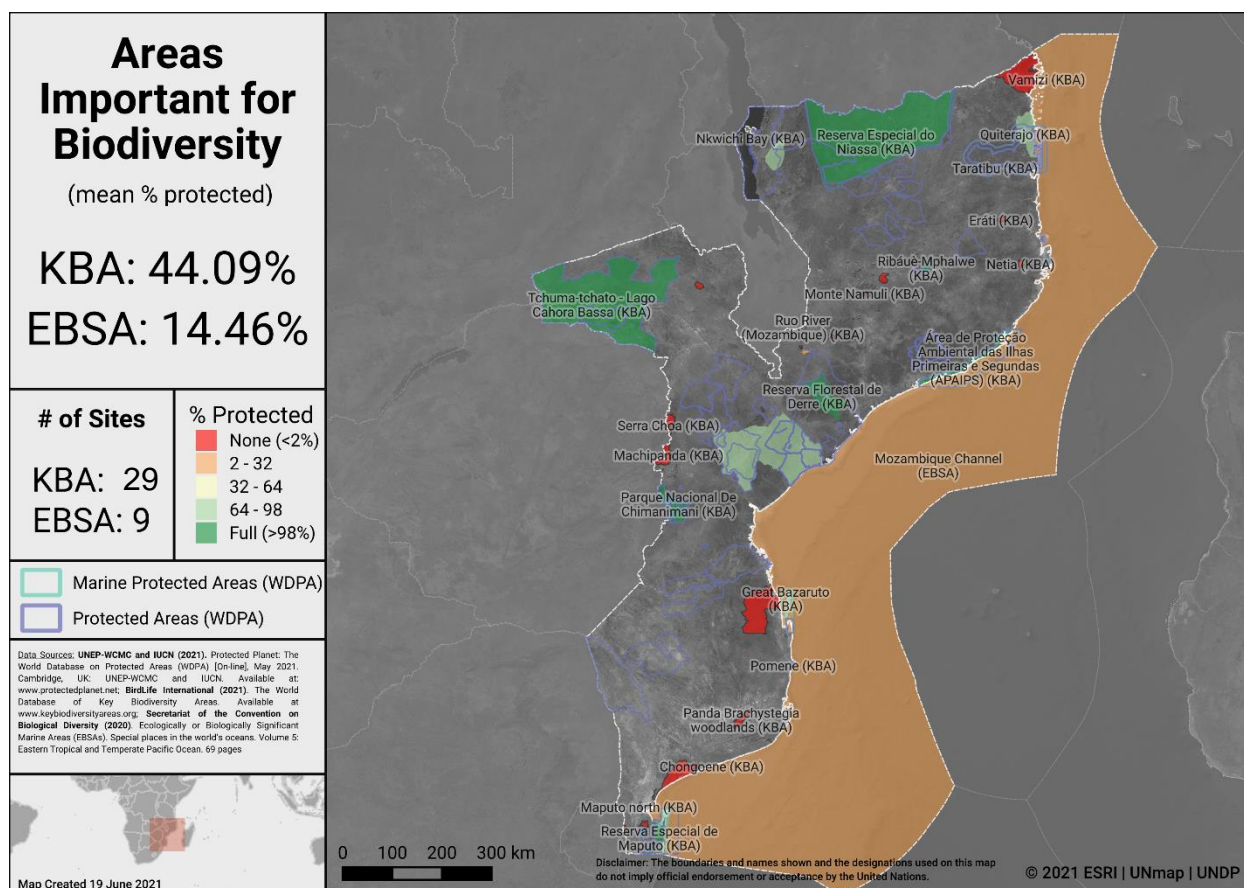
20 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

- 18 KBAs have some form of protected coverage (62%)
 - 12 KBAs completely protected (41%)
 - 6 KBAs partially protected (21%)
- 11 KBAs (38%) are unprotected

Ecologically or Biologically Significant Marine Areas (EBSAs)

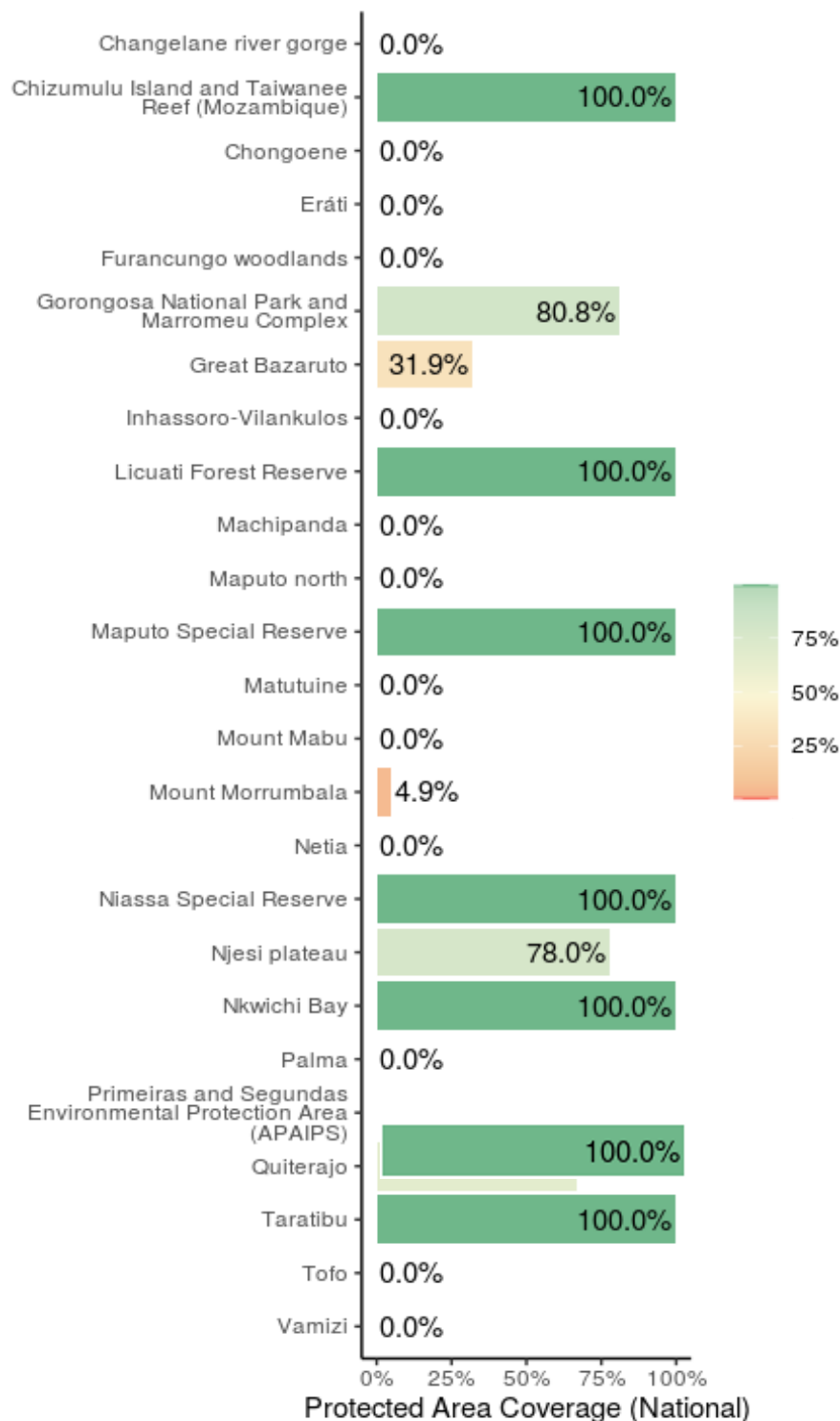
Other important areas for biodiversity may also include Ecologically or Biologically Significant Marine Areas (EBSAs), which were identified following the scientific criteria adopted at COP-9 (Decision IX/20; see more at: <https://www.cbd.int/ebsa/>). Sites that meet the EBSA criteria may require enhanced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

There are 9 EBSAs with some portion of their extent within Mozambique's EEZ, of which 1 EBSA has no coverage from PAs or OECMs.



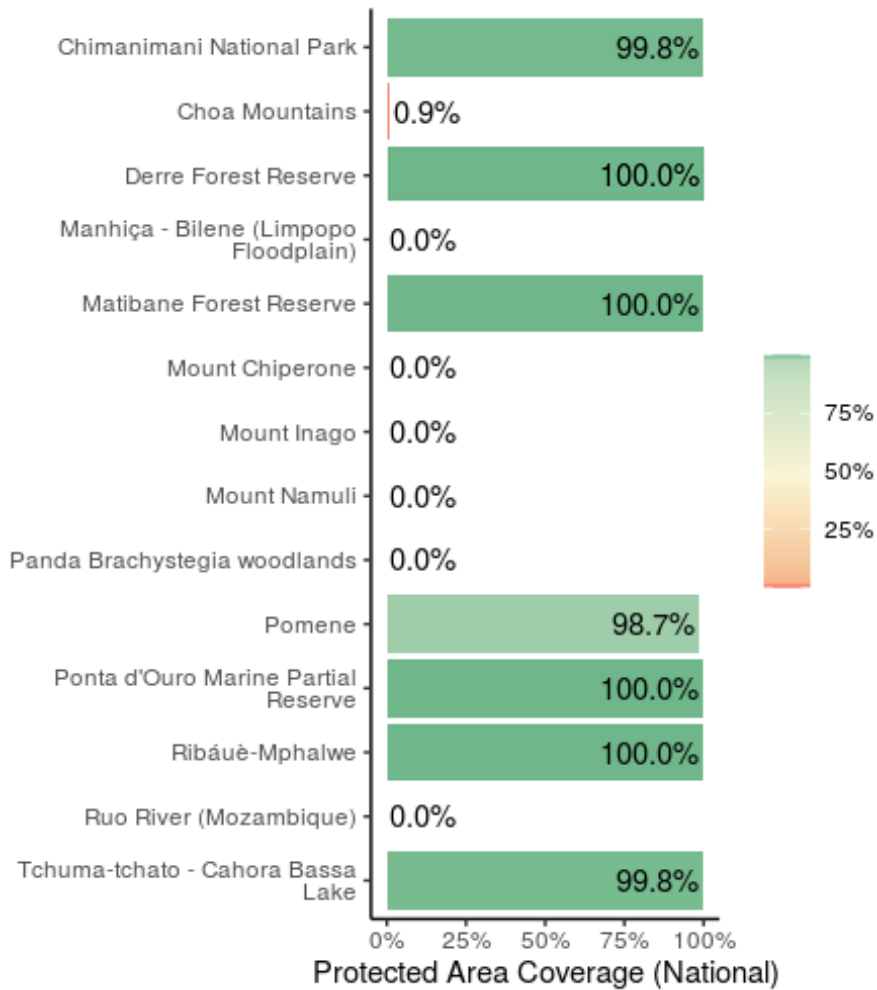
Areas Important for Biodiversity in Mozambique (may not align with recent national assessment, see WCS, Governo de Moçambique & USAID. 2021)

21 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

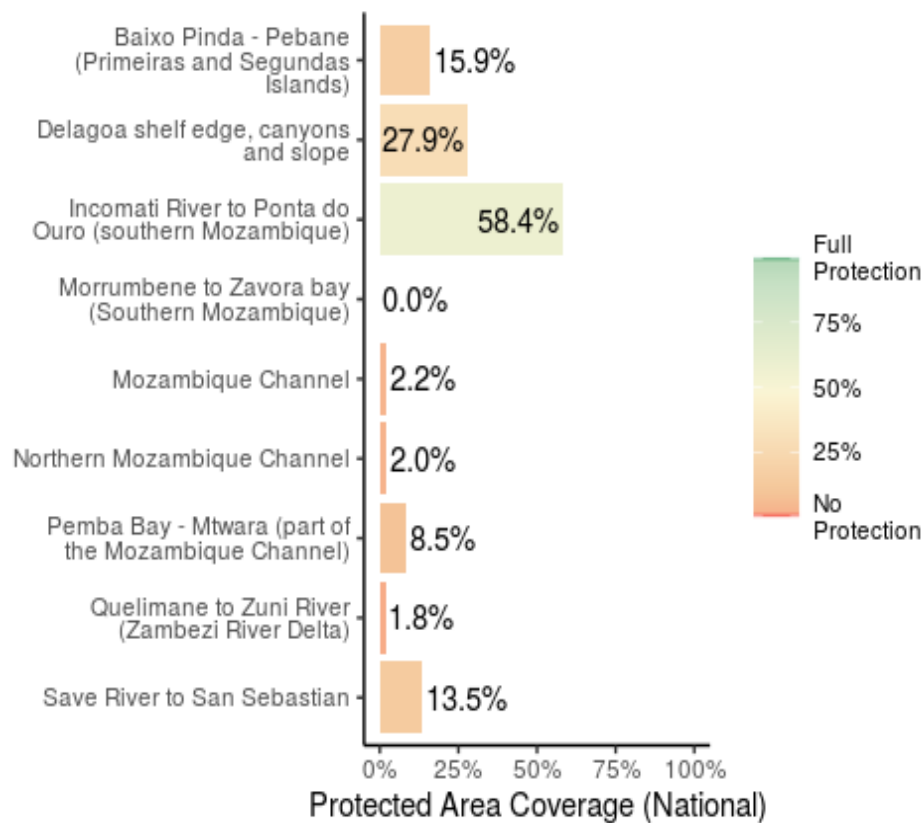


Key Biodiversity Area Coverage (KBA) in Mozambique (may not align with recent national assessment, see WCS, Governo de Moçambique & USAID. 2021; there are only 29 KBAs in the country).

22 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE



Key Biodiversity Area Coverage (KBA) in Mozambique (may not align with recent national assessment, see WCS, Governo de Moçambique & USAID. 2021; there are only 29 KBAs in the country).



Ecologically or Biologically Significant Marine Areas (EBSAs) in Mozambique

Opportunities for action

There is opportunity for Mozambique 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.



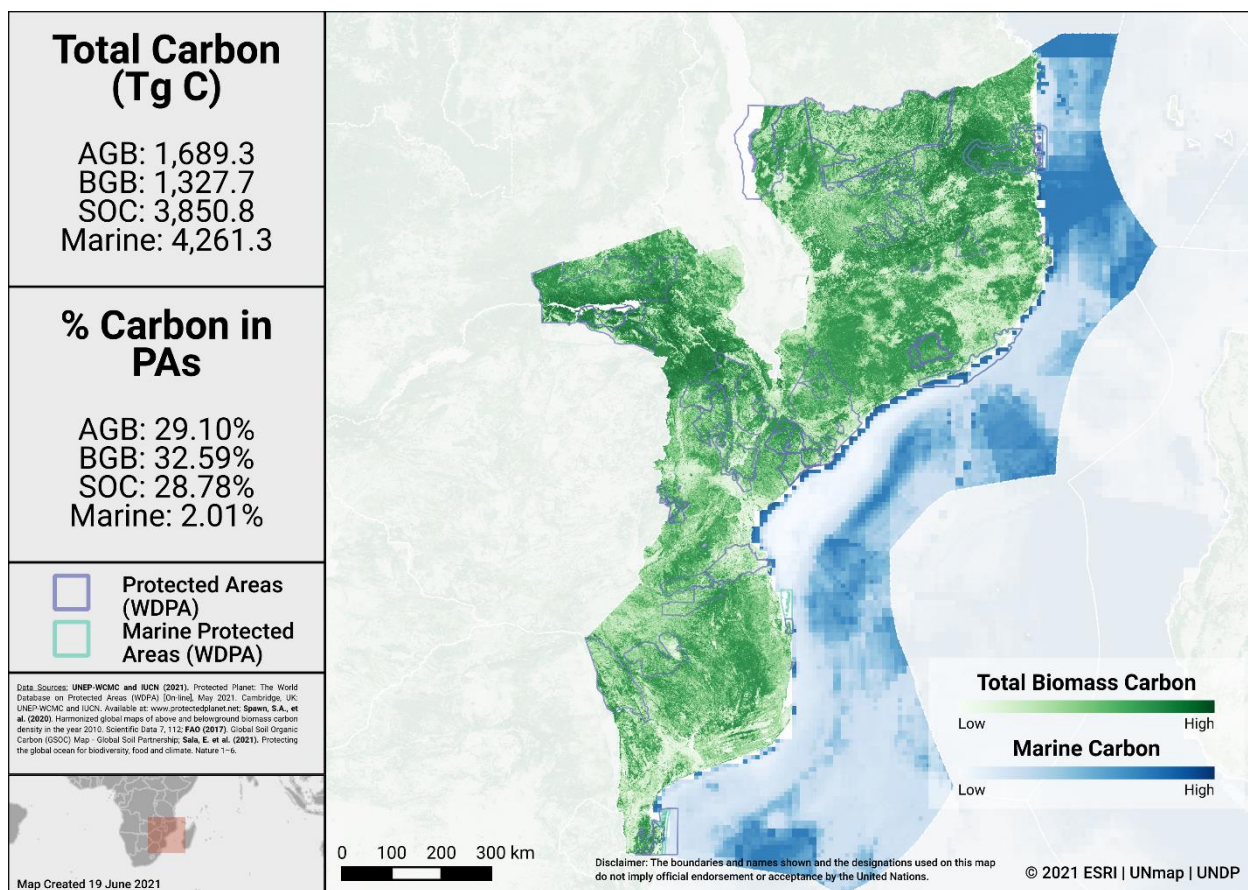
AREAS IMPORTANT FOR ECOSYSTEM SERVICES

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 methodology). 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 Mozambique and the percent of carbon in protected areas. The total carbon stocks is 1,689.3 Tg C from aboveground biomass (AGB), with 29.1% in PAs; 1,327.7 Tg C from below ground biomass (BGB), with 32.6% in PAs; 3,850.8 Tg C from soil organic carbon (SOC), with 28.8% in PAs; and 4,261.3 Tg C from marine sediment carbon, with 2.0% in MPAs.



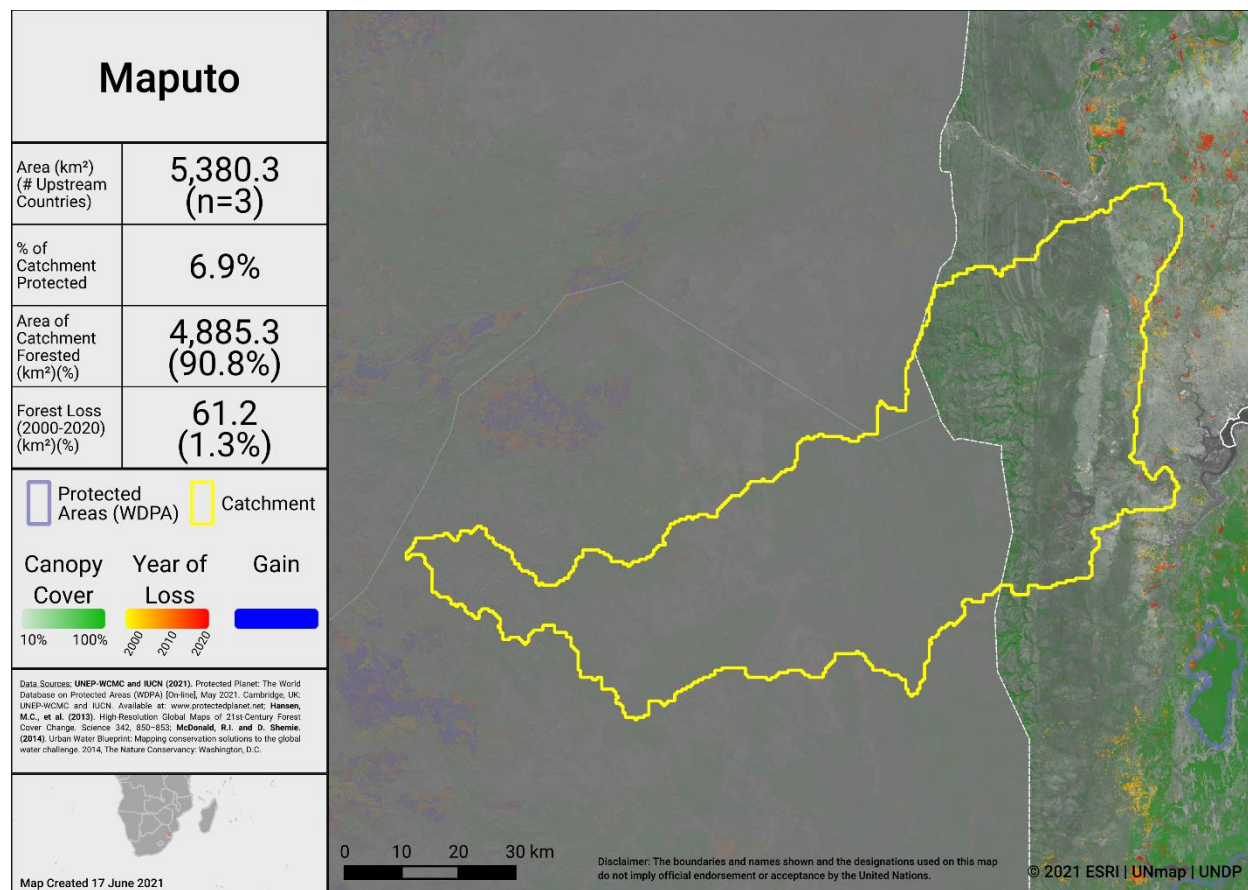
Carbon Stocks in Mozambique

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 Mozambique may similarly depend on protected forest areas within and around water catchments. The map below shows the percentage forest and PA cover and the forest loss from 2000-2020 in the most heavily populated water catchment of Mozambique. Intact catchments support more consistent water supply and improved water quality.



Water supply area for the city of Maputo

Opportunities for action

For carbon, there is opportunity for Mozambique 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 no 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 Mozambique was 12.6%.

PARC-Connectedness Index

In 2019, as assessed using the PARC-Connectedness Index (values ranging from 0-1, indicating low to high connectivity), connectivity in Mozambique is 0.58. This represents an increase from 0.57 in 2010.

Corridor case studies

There are currently no corridor case studies available for Mozambique (but see general details on conserving connectivity through ecological networks and corridors in Hilty et al 2020).

Opportunities for action

There is opportunity for a targeted designation of PAs or OECMs in strategic locations for connectivity and to focus on PA and OECM management for enhancing and maintaining connectivity. Improving 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 Mozambique reported in the WDPA have the following governance types:

- 75.0% are governed by **governments**
 - 42.2% by federal or national ministry or agency
 - 0.0% by sub-national ministry or agency
 - 32.8% by government-delegated management
- 18.8% are under **shared** governance
 - 18.8% by collaborative governance
 - 0.0% by joint governance
 - 0.0% by transboundary governance
- 1.6% are under **private** governance
 - 0.0% by individual landowners
 - 1.6% by non-profit organisations
 - 0.0% by for-profit organisations
- 4.7% are under **IPLC** governance
 - 0.0% by Indigenous Peoples
 - 4.7% by local communities
- 0.0% **do not** report a governance type

OECMs

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

Privately Protected Areas (PPAs)

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

Territories and areas conserved by Indigenous Peoples and local communities (ICCAs)

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

Other Indigenous lands

There is currently no data available on lands managed and/or controlled by Indigenous Peoples in Mozambique (see Garnett et al 2018 for details).



Opportunities for action

There is also for Mozambique 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 section 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.

Protected area management effectiveness (PAME) assessments

As of May 2021, Mozambique has 58 PAs reported in the WDPA; of these PAs, 25 (39.1%) have management effectiveness evaluations reported in the global database on protected area management effectiveness (GD-PAME).

- 11.7% (92,417 km²) of the terrestrial area of the country is covered by PAs with completed management effectiveness evaluations.
 - 39.6% of the area of terrestrial PAs have completed evaluations.
- 1.7% (9,598 km²) of the marine area of the country is covered by PAs with completed management effectiveness evaluations.
 - 77.9% 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 Mozambique reported in the WD-OECM and no information available on the management effectiveness of potential OECMs.

Forest cover in protected areas and OECMs

According to Mozambique's 2018 forest inventory, the country's forest area covers 40% (approximately 32 million hectares). Of this, forest area in PAs corresponds to 18.1%.

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

PRIORITY ACTIONS FROM 2015-2016 REGIONAL WORKSHOPS

National priority actions for Aichi Biodiversity Target 11 were provided by Parties following a series of regional workshops in 2015 and 2016. The Capacity-building workshop for Africa on achieving Aichi Biodiversity Targets 11 and 12 took place 21 - 24 March 2016 in Entebbe, Uganda. Progress towards the quantitative targets for marine and terrestrial coverage has been assessed based on data reported in the WDPA and WD-OECM as of 2021. For more information, see the workshop report at:

<https://www.cbd.int/meetings/>

The following actions were identified during the workshops:

Terrestrial and marine coverage: Establish a GIS unit to enable updating the boundary of Protected Areas and collect data on the total areas that is under effective protection.

Connectivity:

- 1) Improve the management of the Gorongosa NP and Marromeu N Reserve corridor
- 2) Strengthening management connectivity between Limpopo NP, Zinave NP and Banhine NP.

Governance and Equity: Disaster risk reduction benefit for all people in Mozambique, particularly the most vulnerable.

OECMs:

- 1) Sustainable and effective management of natural resources
- 2) Establishing conservancies around the Gorongosa PA complex, bringing sustainable land and forest management benefits, restoring degraded ecosystems and generating livelihoods.

No actions were identified for the following elements of Target 11: Ecological Representation; Areas Important for biodiversity and ecosystem services; Management effectiveness; Integration into the wider landscape and seascape



NATIONAL BIODIVERSITY STRATEGY AND ACTION PLANS (NBSAPs)

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

11A: By 2025, evaluate and redefine 75% of current conservation areas, and include, formally, 100% of the afro-montane endemism centers (altitude > 1,500m) and up to 5% of marine ecosystems and mountain in conservation areas

11B: By 2030, manage effectively and equitably, 50% of the protected areas.



APPROVED GEF-5, GEF-6, & GCF 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 ²)	Type of new protected area	Qualitative elements potentially benefitting (based on keyword search of PIFs)
5225	No	N/A	N/A	Areas important for biodiversity; Effectively managed; Equitably managed; Integration
5516	No	N/A	N/A	Ecosystem services; Effectively managed; Integration
9158	Yes	already in WDPA	Terrestrial	All except Connectivity

Based on spatial data available for GEF project 9158, benefits will arise for several elements of Target 11:

Coverage of Terrestrial and Marine Ecoregions:

- 5 Terrestrial Ecoregions will have improved coverage. These Ecoregions are: Dry miombo woodlands; Nyanga-Chimanimani Montane forest-grassland; Southern Swahili coastal forests and woodlands; Zambezian coastal flooded savanna; Zambezian-Limpopo mixed woodlands.
 - The average increase in coverage of Terrestrial Ecoregions will be 0.14%.

Coverage of KBAs:

- Coverage will improve for 1 KBAs.

Ecosystem services:

- 0.37 % increase in the PA coverage of aboveground biomass.
- 0.25 % increase in the PA coverage of important aboveground biomass areas.
- 0.21 % increase in the PA coverage of soil organic carbon (SOC).
- 0.18 % increase in the PA coverage of areas important for SOC.



An additional two GEF projects (from GEF-7) may have benefits for Aichi Target 11:

- GEF #10583, Conservation Areas for Biodiversity Conservation and Development II-Additional Financing, which is ongoing
- GEF #10100, Scaling up Local Adaptation and Climate-risk Informed Planning for Resilient Livelihoods, Concept approved

GEF #3753 also contributed to recent PA increases (Gorongosa and Niassa; already reflected in WPDA), with benefits for terrestrial coverage and representation, areas important for biodiversity, effective management, and equitable management.

Approved Green Climate Fund (GCF) Protected Area-related biodiversity projects

The Green Climate Fund’s investments listed as approved projects as of May 2021 were considered. The GCF supports paradigm shifts in both climate change mitigation and adaptation that may impact quality of PAs or contribute to better integration within the wider land- and seascapes around PAs. Only projects with result areas for either or both *Forest and Land Use and Ecosystems and Ecosystem Services result areas* were included.

GCF ID	Project theme	Result area	Target 11 element
FP122	Adaptation	Ecosystems and ecosystem services	PA/OECM coverage; Effectively managed; Ecosystem services; Equitably managed; Integration

In addition:

- Project FP152 (Global Subnational Climate Fund; SnCF Global) will have benefits for Equity.
- Project FP151 (Global Subnational Climate Fund; SnCF Global) will provide Technical Assistance (TA) Facility



UN OCEAN CONFERENCE VOLUNTARY COMMITMENTS

Voluntary commitments for the UN Ocean Conference are initiatives voluntarily undertaken by governments, the UN system, non-governmental organizations, among other actors—individually or in partnership—that aim to contribute to the implementation of SDG 14 (here we focus in particular on SDG 14.5). The registry of commitments was opened in February 2017, in the lead up to the first UN Ocean Conference (5 to 9 June 2017).

Ocean Actions improving MPA or OECM coverage:

#OceanAction16178: Protecting 1 million sq kms through the \$15 million WCS Marine Protected Area Fund, by Wildlife Conservation Society (Non-governmental organization (NGO)).

- Area to be added: No area given km².
- Notes on area added: WCS will support adequate institutional mechanisms and technical tools exist to help the process of MPA network expansion. Total EEZ is 574,410 km² with a baseline MPA area² of 9763 km²; Mozambique has 6 marine KBAs. See details in WCS MPA project country profile: <https://mpafund.wcs.org/>.
- Progress report: Yes (2019), status=On Track.
- Further details available at: <https://oceanconference.un.org/commitments/?id=16178>.

² These include: Quirimba National Park; Environmental Protections Area Ilhas Primeiras and Segundas; Marrromeu Special Reserve; Bazaruto Archipelago National Park; Sanctuary Sao Sebastao; Environmental Protection Area Maputo; Partial Marine Reserve Ponta do Ouro

OTHER ACTIONS/COMMITMENTS

High Ambition Coalition for Nature and People

Mozambique 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.

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

The network of protected areas has increased substantially in recent years to include different aspects of biodiversity that currently account for about 26% of the country's total area.

Other:

The President of Mozambique joined the Giants Club's as member in August 2021. The Club unites high-level political, financial and technical leadership to protect under-threat landscapes and helps create wildlife economies that unlock the ecological and economic value of these areas to secure their long-term viability (see: <https://www.spaceforgiants.org/giants-club>)

Mozambique is also a member of IUCN.



ANNEX I

FULL LIST OF TERRESTRIAL ECOREGIONS

Ecoregion Name	Area (km ²)	% of Global Ecoregion in Country	% of Country in Ecoregion	Area Protected (km ²)	% Protected in Country
Central Zambezan wet miombo woodlands	32,018.0	3.1	4.1	1,050.4	3.3
Dry miombo woodlands	385,041.8	32.5	48.9	122,262.5	31.8
Limpopo lowveld	22,789.3	27.8	2.9	1.4	0.0
Maputaland coastal forests and woodlands	17,955.2	59.6	2.3	2,512.3	14.0
Mulanje Montane forest-grassland	1.4	0.1	0.0	0.0	0.0
Nyanga-Chimanimani Montane forest-grassland	437.9	5.7	0.1	210.0	48.0
Southern Africa mangroves	90.4	9.1	0.0	90.4	100.0
Southern Rift Montane forest-grassland	1,428.6	6.4	0.2	0.0	0.0
Southern Swahili coastal forests and woodlands	132,322.1	88.8	16.8	16,799.9	12.7
Zambezan coastal flooded savanna	19,369.1	100.0	2.5	14,203.3	73.3
Zambezan flooded grasslands	812.6	0.4	0.1	0.0	0.0
Zambezan-Limpopo mixed woodlands	61,906.9	33.9	7.9	21,701.8	35.1
Zambezan mopane woodlands	97,768.2	25.2	12.4	42,494.7	43.5

REFERENCES

- Atwood, TB, Witt, A, Mayorga, J, Hammill, E, & Sala, E. (2020). Global patterns in marine sediment carbon stocks. *Frontiers in Marine Science*.
<https://doi.org/10.3389/fmars.2020.00165>
- BirdLife International (2021). World Database of Key Biodiversity Areas. Available at:
<http://www.keybiodiversityareas.org>
- CBD (2010). Decision adopted by the Conference of the Parties to the Convention on Biological Diversity at its tenth meeting. Decision X/2. Strategic plan for biodiversity 2011–2020. Retrieved from <https://www.cbd.int/doc/decisions/cop-10/cop-10-dec02-en.pdf>.
- CSIRO (2019). Protected area connectedness index (PARCconnectedness).
<https://www.bipindicators.net/indicators/protected-area-connectedness-index-parcconnectedness>
- Dinerstein, E., et al. (2017). An ecoregion-based approach to protecting half the terrestrial realm. *BioScience* 67(6), 534-545.
- Donald et al., 2019, The prevalence, characteristics and effectiveness of Aichi Target 11' s “other effective area-based conservation measures” (OECMs) in Key Biodiversity Areas. *Conservation Letters*, 12(5).
- EC-JRC (2021). DOPA Indicator factsheets: <http://dopa.jrc.ec.europa.eu/en/factsheets>
- FAO (2017). Global Soil Organic Carbon (GSOC) Map - Global Soil Partnership [WWW Document]. URL <http://www.fao.org/global-soil-partnership/pillars-action/4-information-and-data/global-soil-organic-carbon-gsoc-map/en/>.
- Franks, P and Booker, F (2018). Governance Assessment for Protected and Conserved Areas (GAPA): Early experience of a multi-stakeholder methodology for enhancing equity and effectiveness. IIED Working Paper, IIED, London. <https://pubs.iied.org/17632IIED>
- Franks, P. et al. (2018). Social Assessment for Protected and Conserved Areas (SAPA). Methodology manual for SAPA facilitators. Second edition. IIED, London.
<https://pubs.iied.org/14659iied>
- Garnett et al. (2018). A spatial overview of the global importance of Indigenous lands for conservation. *Nature Sustainability*, 1(7), 369.
- Global Environment Facility (GEF-5 and GEF-6); all projects can be found online at:
<https://www.thegef.org/projects>
- Gloss, L. et al. (2019). International Outlook for Privately Protected Areas: Summary Report. International Land Conservation Network (a project of the Lincoln Institute of Land Policy) and United Nations Development Programme. Summary report, and individual country profiles, available at: <https://nbsapforum.net/knowledge-base/resource/international-outlook-privately-protected-areas-summary-report>

Hansen, M.C., Potapov, P.V., Moore, R., Hancher, M., Turubanova, S.A., Tyukavina, A., Thau, D., Stehman, S.V., Goetz, S.J., Loveland, T.R., Kommareddy, A., Egorov, A., Chini, L., Justice, C.O., Townshend, J.R.G., (2013). High-Resolution Global Maps of 21st-Century Forest Cover Change. *Science* 342, 850–853. <https://doi.org/10.1126/science.1244693>

Hilty, J et al. (2020). Guidelines for conserving connectivity through ecological networks and corridors. Best Practice Protected Area Guidelines Series No. 30. Gland, Switzerland: IUCN. <https://portals.iucn.org/library/sites/library/files/documents/PAG-030-En.pdf>

IIED 2020. Site-level assessment of governance and equity (SAGE) <https://www.iied.org/site-level-assessment-governance-equity-sage>.

IUCN (2016). A Global Standard for the Identification of Key Biodiversity Areas, Version 1.0. First edition. Gland, Switzerland: IUCN. <https://portals.iucn.org/library/sites/library/files/documents/2016-048.pdf>

IUCN-WCPA (2017). IUCN-WCPA Task Force on OECMs collation of case studies submitted 2016-2017. <https://www.iucn.org/commissions/world-commission-protected-areas/our-work/oecms/oecm-reports>

Joint Research Centre of the European Commission (JRC) (2021), The Digital Observatory for Protected Areas (DOPA) Explorer 4.1 [On-line], [Apr/2021], Ispra, Italy. Available at: <http://dopa-explorer.jrc.ec.europa.eu>

Kothari, A., et al. (Eds) (2012). Recognising and Supporting Territories and Areas Conserved By Indigenous Peoples And Local Communities: Global Overview and National Case Studies. Secretariat of the CBD, ICCA Consortium, Kalpavriksh, and Natural Justice, Montreal, Canada. Technical Series no. 64.

Lausche, B., Laur, A., Collins, M. (2021). *Marine Connectivity Conservation 'Rules of Thumb' for MPA and MPA Network Design*. Version 1.0. IUCN WCPA Connectivity Conservation Specialist Group's Marine Connectivity Working Group.

McDonald, R.I., Weber, K., Padowski, J., Flörke, M., Schneider, C., Green, P.A., Gleeson, T., Eckman, S., Lehner, B., Balk, D., Boucher, T., Grill, G., Montgomery, M., (2014). Water on an urban planet: Urbanization and the reach of urban water infrastructure. *Global Environmental Change* 27, 96–105. <https://doi.org/10.1016/j.gloenvcha.2014.04.022>

National Biodiversity Strategy and Action Plan (NBSAPs); most recent NBSAP is available at: <https://www.cbd.int/nbsap/search/>

Newbold, T., Hudson, L.N., Arnell, A.P., Contu, S., Palma, A.D., Ferrier, S., Hill, S.L.L., Hoskins, A.J., Lysenko, I., Phillips, H.R.P., Burton, V.J., Chng, C.W.T., Emerson, S., Gao, D., Pask-Hale, G., Hutton, J., Jung, M., Sanchez-Ortiz, K., Simmons, B.I., Whitmee, S., Zhang, H., Scharlemann, J.P.W., Purvis, A., (2016). Has land use pushed terrestrial biodiversity beyond the planetary boundary? A global assessment. *Science* 353, 288–291. <https://doi.org/10.1126/science.aaf2201>

Sala, E. et al. (2021). Protecting the global ocean for biodiversity, food and climate. *Nature*, 592(7854), 397-402. <https://doi.org/10.1038/s41586-021-03496-1>

Saura, S. et al. (2018). Protected area connectivity: Shortfalls in global targets and country-level priorities. *Biological Conservation*, 219, 53-67.

Saura, S. et al (2017). Protected areas in the world's ecoregions: How well connected are they? *Ecological Indicators*, 76, 144-158.

Spalding, M.D., et al. (2012). Pelagic provinces of the world: a biogeographic classification of the world's surface pelagic waters. *Ocean & Coastal Management* 60, 19–30.

Spalding, M.D., et al. (2007). Marine ecoregions of the world: a bioregionalization of coastal and shelf areas. *BioScience* 57(7): 573–583.

Spawn, S.A., Sullivan, C.C., Lark, T.J., Gibbs, H.K., (2020). Harmonized global maps of above and belowground biomass carbon density in the year 2010. *Scientific Data* 7, 112.
<https://doi.org/10.1038/s41597-020-0444-4>

Stolton, S. et al. (2014). *The Futures of Privately Protected Areas*. Gland, Switzerland: IUCN.

UNEP-WCMC and IUCN (2021) *Protected Planet Report 2020*. UNEP-WCMC and IUCN: Cambridge UK; Gland, Switzerland.

UNEP-WCMC and IUCN (2021), *Protected Planet: The Global Database on Protected Area Management Effectiveness (GD-PAME)* [On-line], [May/2021], Cambridge, UK: UNEP-WCMC and IUCN. Available at: www.protectedplanet.net.

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

UNEP-WCMC and IUCN (2021), *Protected Planet: The World Database on Other Effective Area-based Conservation Measures (WD-OECM)* [On-line], [May/2021], Cambridge, UK: UNEP-WCMC and IUCN. Available at: www.protectedplanet.net.

UN Ocean Conference Voluntary Commitments, available at:
<https://oceanconference.un.org/commitments/>

WCS, Governo de Moçambique & USAID (2021). *Red List of threatened species, ecosystems, identification and mapping of Key Biodiversity Areas (KBAs) in Mozambique - Final Report (VOL. I)*. USAID / SPEED+. Maputo. 96pp.

Williams, B.A., Venter, O., Allan, J.R., Atkinson, S.C., Rehbein, J.A., Ward, M., Marco, M.D., Grantham, H.S., Ervin, J., Goetz, S.J., Hansen, A.J., Jantz, P., Pillay, R., Rodríguez-Buriticá, S., Supples, C., Virnig, A.L.S., Watson, J.E.M., (2020). Change in Terrestrial Human Footprint Drives Continued Loss of Intact Ecosystems. *One Earth* 3, 371–382.
<https://doi.org/10.1016/j.oneear.2020.08.009>

41 | Aichi Biodiversity Target 11 Country Dossier: MOZAMBIQUE

This document was created using the knitr package with R version 4.0.3.

For any questions please contact support@unbiodiveristylab.org.

