

SEABIRD ACTION PLAN

GOAL: Conserve seabirds and their habitats, recognising the traditions and aspirations of the peoples of the Pacific Ocean and islands.

Introduction

Of approximately the 11,000 species of birds worldwide, remarkably, only 370 are 'seabirds' (i.e. birds that spend most of their lives at sea). Of those, 42 are known to breed within Oceania, with 17 unique to our region.

Seabirds are more threatened than any other comparable group of birds and their status continues to deteriorate globally. Across the Pacific, albatrosses, petrels, shearwaters, and storm-petrels (family Procellariidae and Oceanitidae) in particular, have experienced greater population declines than other bird families. The loss of Oceania's seabirds also represents a loss of cultural values for Oceanic peoples. Restoring healthy populations of seabirds will help build ecosystem resilience, support terrestrial and nearshore habitats as important carbon sinks, and rebuild and retain Pacific peoples' cultural connections with seabirds and the ocean.

Species distribution

Species breeding within the region

The modern distribution of seabirds in Oceania is imperfectly known. There are numerous islands scattered throughout Oceania for which we know very little, or in some cases absolutely nothing, because of difficulty of access due to remoteness or natural barriers. Table 1 lists the species that are known or suspected to breed in the Pacific).²⁸

Seabird breeding habitats range in altitude from high inland to coastal fringes and atoll islands. They occur on:

- large mountainous islands (e.g. New Ireland (PNG), Bougainville (PNG), Kolambangara (SI),
 Vanua Lava (V), Grande Terre (NC), Taveuni (FI), Gau (FI), Tahiti (FP))
- medium and small-sized islands (e.g. Matthew and Hunter Islands (NC), Ata (Tonga), Rarotonga (CI), Ta'u (AS) and Rapa islets (FP))
- raised atoll islands (makatea) (e.g. Walpole Island (NC) and Henderson Island (PI))
- low-lying atoll islands (e.g. Marshall Islands, Kiritimati and Rawaki, Line Islands (K), Chesterfield Reef (NC), Oeno (PI), Ducie (PI))
- emergent reef Pocklington (PNG) and sand cays.
- American Samoa (AS), Cook Islands (CI), Federated States of Micronesia (FSM), Guam (GU), Kiribati (KI), Marshall Islands (MI), Nauru (NU), New Caledonia (NC), Niue (NI), Commonwealth of the Northern Marianas Islands (NMI), Palau (PA), Papua New Guinea (PNG), Pitcairn Islands (PI), Samoa (SA), Solomon Islands (SI), Tokelau (TOK), Tonga (TO), Tuvalu (TU), Vanuatu (VA), Wallis and Futuna (WF).

TABLE 1. Species of seabirds breeding or potentially breeding within the region

PACIFIC ISLAND COUNTRY OR TERRITORY

SEABIRD SPECIES	IUCN Threat	AS	CI	FSM	FI	FP	GU	KI	MI	NA	NC	NI	NMI	PA	PNG	PI	SA	SI	TOK	то	TU	VA	WF
Murphy's petrel Pterodroma ultima	LC																						
Kermadec petrel Pterodroma neglecta	LC																						
Phoenix petrel Pterodroma alba	EN																						
Herald petrel Pterodroma heraldica	LC																						
Henderson petrel Pterodroma atrata	EN																						
Vanuatu Petrel Pterodroma occulta	VU																						
Collared petrel Pterodroma brevipes	VU																						
Black-winged petrel Pterodroma nigripennis	LC																						
White-winged (New Caledonian) Petrel Pterodroma leucoptera	VU																						
Fiji petrel Pseudobulweria macgillivrayi	CR																						
Bulwer's petrel Bulweria bulwerii	LC																						
Tahiti petrel Pseudobulweria rostrata	NT																						
Beck's petrel Pseudobulweria becki	CR																						
Wedge-tailed shearwater Ardenna pacifica	LC																						
Christmas Island shearwater Puffinus nativitatis	LC																						
Heinroth's shearwater Puffinus heinrothi	VU																						
Tropical shearwater Puffinus bailloni	LC																						
Rapa shearwater Puffinus myrtae	CR																						
White-bellied storm petrel <i>Fregetta grallaria</i>	(LC)																						
Coral Sea or New Caledonian Storm-petrel Fregetta lineata	NA																						

PACIFIC ISLAND COUNTRY OR TERRITORY

SEABIRD SPECIES	IUCN Threat	AS	CI	FSM	FI	FP	GU	KI	MI	NA	NC	NI	NMI	PA	PNG	PI	SA	SI	TOK	то	TU	VA	WF
Polynesian (White- throated) Storm Petrel Nesofregetta fuliginosa	EN																						
Red-tailed tropicbird Phaethon rubricauda	LC																						
White-tailed tropicbird Phaethon lepturus	LC																						
Brown booby Sula leucogaster	LC																						
Masked booby Sula dactylatra	LC																						
Red-footed booby Sula sula	LC																						
Great frigatebird Fregata minor	LC																						
Lesser frigatebird Fregata ariel	LC																						
Little white tern Gygis microrhyncha	LC																						
Silver gull Chroicocephalus novaehollandiae	LC																						
Brown noddy Anous stolidus	LC																						
Black noddy Anous minutus	LC																						
Grey/Blue Noddy Procelsterna albivitta/cerulea	LC																						
White tern Gygis alba	LC																						
Sooty tern Onychoprion fuscatus	LC																						
Grey-backed tern Onychoprion lunatus	LC																						
Roseate tern Sterna dougallii	LC																						
Bridled tern Onychoprion anaethetus	LC																						
Black-naped tern Sterna sumatrana	LC																						
Fairy tern Sternula nereis	VU																						
Great crested tern Thalasseus bergii	LC																						
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Species breeding outside the region

Sixty species of seabirds, known to be breeding outside the region, have been recorded within PI states. These are species recorded by observers and either published in scientific papers, journals or citizen science internet sites, as well as data derived from species carrying tracking devices. Several species are annual trans-equatorial migrants, mainly species breeding on Aotearoa New Zealand and Australia that spend their non-breeding months north of the equator. Most notable are Mottled Petrel and Short-tailed Shearwater which head to the Bering Sea, and Sooty, Flesh-footed and Buller's Shearwaters, Cook's, Pycroft's and Black-winged Petrels which breed in the southern oceans and migrate to the North Pacific travelling between Japan and the North America's Pacific coast.

TABLE 2. Species that annually migrate across the Equator.²⁹

PACIFIC ISLAND COUNTRY OR TERRITORY

SEABIRD SPECIES	IUCN RedList	Origin	AS	CI	FSM	FI	FP	GU	KI	MI	NA	NC	NI	NMI	PA	PNG	PI	SA	SI	TOK	то	TU	VA	WF
Arctic Jaeger Stercorarius parasiticus	LC	Ar																						
Band-rumped Storm Petrel Oceanodroma castro	LC	Haw / Jap																						
Black Petrel Procellaria parkinsoni	VU	NZ																						
Black-bellied Storm Petrel Fregetta tropica	LC	NZ																						
Black-footed Albatross Phoebastria nigripes	NT	Haw																						
Black-winged Petrel * Pterodroma nigripennis	LC	NZ/ Aus																						
Buller's Shearwater Ardenna bulleri	VU	NZ																						
Cook's Petrel Pterodroma cookii	VU	NZ																						
Flesh-footed Shearwater Puffinus carneipes	NT	NZ/ Aus																						
Little Tern Sternula albifrons	LC	Ar																						

²⁹ Including Australia (Aus), Antarctic (Ant), Arctic (Ar), Chile (Ch), Hawaii (Haw), Japan (Jap), New Zealand (NZ)

PACIFIC ISLAND COUNTRY OR TERRITORY

SEABIRD SPECIES	IUCN RedList	Origin	AS	CI	FSM	FI	FP	GU	KI	MI	NA	NC	NI	NMI	PA	PNG	PI	SA	SI	TOK	то	TU	VA	WF
Long-tailed Jaeger Stercorarius longicaudus	LC	Ar																						
Mottled Petrel Pterodroma inexpectata	NT	NZ																						
Pycroft's Petrel Pterodroma pycrofti	VU	NZ																						
Short-tailed Shearwater Ardenna tenuirostris		Aus																						
Sooty Shearwater <i>Ardenna grisea</i>	NT	NZ																						
Stejneger's Petrel Pterodroma longirostris	VU	Ch																						
Streaked Shearwater Calonectris leucomelas	NT	Jap																						
Wedge-tailed Shearwater * Puffinus pacificus	LC	NZ/ Aus																						
White-bellied Storm Petrel * Fregetta grallaria	LC	NZ/ Aus																						
White-necked Petrel Pterodroma cervicalis	VU	NZ																						
Wilson's Storm Petrel Oceanites oceanicus	LC	Ant																						
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^{*} Same species breeding outside the region, but which may migrate or forage within the region (e.g. Wedge-tailed Shearwater and Black-winged Petrel from Aotearoa New Zealand and Australia).

Species status

Of the 42 species breeding within the region, three are listed as Critically Endangered (Fiji and Beck's petrel, Rapa shearwater), three Endangered (Phoenix and Henderson petrels, Polynesian storm petrel), five are Vulnerable (white-necked petrel, collared petrel, white-winged petrel, Heinroth's shearwater, and (New Caledonian) fairy tern), and one is Near Threatened (Tahiti petrel) (Table 1).

There is also taxonomic uncertainty over several taxa (tropical shearwater (Melanesian, Micronesian and Polynesian (tropical) shearwaters), white-necked petrel (white-necked and Vanuatu petrel), collared



New Caledonian storm petrel at sea. © Hadoram Shirihai, Tubenoses Project

petrel (magnificent petrel and collared petrel), white-winged (Gould's) petrel (New Caledonian and Gould's petrel), white-bellied storm-petrel (titan storm-petrel), fairy tern).

In addition, there are at least three potentially undescribed streaked storm-petrel taxa ('Coral Sea' or 'New Caledonian' storm-petrel, 'Marquesas' storm-petrel, and 'Samoan' storm-petrel).

Traditional knowledge and customs

Seabirds are highly important to the heritage, folklore, totemism, and subsistence of many Pacific peoples. Seabirds played a critical role in the settlement and navigation of the Pacific, including the long-distance voyages that are known to follow the paths of migrating seabirds. Some seafaring peoples used shore-sighting birds, such as tropicbirds and white terns, to indicate when they were close to land. Seabird behaviour assists people to this day in finding fish at sea (tuna birds) and providing information on oceanic weather patterns.

Annual harvesting of chicks, adults, and eggs continue to be important traditional activities for a number of Pacific cultures and communities.



Seabird researcher discussing seabird identification with villagers, Silur Bay, New Ireland Province, Papua New Guinea. Photo: Bill Morris

Income-generating opportunities

Seabirds play a major role in shaping the ecology of terrestrial communities. They act as links between the land and sea by depositing marine-derived nutrients into terrestrial communities. Runoff from seabird colonies can provide nutrients to nearshore marine environments supporting marine food chains, including enhancing coral reef productivity. For example, fish biomass in coral reefs adjacent to a seabird colony increased by 48% when introduced predator species were removed from the colony and seabird activity subsequently increased.³⁰ Evidence indicates that rebuilding healthy seabird populations increases ecosystem resilience and supports livelihoods through fishing.

To witness the spectacle of seabirds massing over Kiritimati and Rawaki (Kiribati), Chesterfield Reefs (New Caledonia), Morotiri (French Polynesia), and Oeno and Henderson Islands (Pitcairn Islands) is to appreciate how seabirds serve as a conduit linking marine and terrestrial ecosystems. Like whale watching, seabirds can provide ecotourism opportunities for 'birders' from around the world to see the unique and rare seabird species of the Pacific.

Threats

Seabirds are exposed to threats both on land where they breed, and at sea where they feed and spend their time during migration and non-breeding periods. These threats vary in intensity across space and time. For the most part, the threats at sea are common to all marine groups covered by these action plans (whales and dolphins, dugong, sharks and rays, and marine turtles), whereas those on land relate more directly to seabirds.

Key land-based threats

- Invasive predator species
- Habitat loss, degradation, and modification
- Unsustainable harvesting of eggs, chicks, and adults
- Light pollution (causing disorientation and collisions)
- Climate change
- Disease

Key marine-based threats

- Incidental by-catch in fisheries
- Disruption to foraging opportunities induced by fisheries
- Pollution (plastic, oil spills, deep sea mining, and light)
- Climate change

³⁰ Graham NA, Wilson SK, Carr P, Hoey AS et al. 2018 Jul 11. Seabirds enhance coral reef productivity and functioning in the absence of invasive rats. Nature. 559:250–253; [accessed 2022 Mar 11]. https://doi.org/10.1038/s41586-018-0202-3

Themes and objectives

OBJECTIVES THEMES 1. Research and monitoring 1. Collect and centralise data on seabirds and make it accessible. 2. Improve knowledge of seabird species, breeding, population, trends, diet, and foraging distributions, ecosystem impacts, and threats. 3. Climate change 1. Protect vulnerable seabird breeding sites. 2. Incorporate seabird conservation into nature-based solutions to build ecosystem resilience. 3. Ecosystems and habitat 1. Protect critical habitat and migratory pathways for seabirds. protection 2. Prioritise marine areas for protection to align with seabird foraging and migration hotspots. 4. Threat reduction 1. Reduce direct and indirect land-based threats to seabirds. 2. Reduce marine-based threats to seabirds, including in areas beyond national jurisdiction (ABNJ). 5. Cultural significance and value 1. Incorporate traditional knowledge, stories, and customs about seabirds and their place in the cultural landscape in policies, plans, and public awareness materials, where culturally appropriate. Ensure traditional knowledge informs management systems. 6. Legislation, policy, and 1. Include measurable outcomes for seabird conservation in management legislation, policy, and management plans. 7. Ecotourism and livelihoods 1. Support seabird-related marine-based ecotourism that contributes to the local economy. 2. Restore seabird colonies to improve local fisheries. 8. Capacity building and 1. Increase capacity for monitoring and managing seabird collaboration populations at community and national levels.



Spotting seabirds offshore, Silur Bay, southern New Ireland, Papua New Guinea. Photo: Bill Morris

THEME 1: RESEARCH AND MONITORING

OBJECTIVE 1:	Collect and	centralise data on	seabirds and	I make it accessible	

NUMBER	ACTIONS	RESPONSIBILITY
1.1.1	Identify existing datasets on Pacific seabirds, update and expand the Regional Seabird Colony and Tracking Database and ensure access through SPREP's Pacific Environment Portal ³¹ or the Pacific Biodiversity Information Facility ³² (PBIF). Note other national and international databases and potential for interoperability. (i)	SPREP, Members, Partners
 1.1.2 Develop a seabird node through the Pacific Environment Portal³¹ or PBIF,³² facilitating access to the database for all Members and partners. (ii) 1.1.3 Promote access and data submission to the portal to Members and partners. (iii) 		SPREP
		SPREP, Partners
INDICATO	RS	TIMEFRAME
	e regional colony and tracking database created, maintained, updated, and used embers.	2022
by Members. ii. Links to relevant online seabird databases established and maintained (e.g. Threatened Island Biodiversity Database, BirdLife International's Seabird Tracking Database, Seabird Restoration Database).		2023
	ased engagement with the colony database and tracking data is uploaded to ife International's Seabird Tracking Database.	



Surveying within the sooty tern colony on Rawaki, Kiribati. $\ensuremath{\texttt{@}}$ Ray Pierce

³¹ SPREP. Pacific environment data portal: environmental information for decision making [Internet]. SPREP; [accessed 2022 Feb 3]. https://pacific-data.sprep.org/

³² PBIF. Pacific Biodiversity Information Facility presents all of the Pacific biodiversity data available on GBIF [Internet]. SPREP; [accessed 2022 Feb 28]. https://pbif.sprep.org/g/

THEME 1: RESEARCH AND MONITORING

OBJECTIVE 2: Improve knowledge on seabird species, breeding, population, trends, diet and foraging distributions, ecosystem impacts, and threats

1.2	1 Develop partnerships between stakeholders, survey known colonies for	SPREP, Members
	population estimates, and confirm colony status of suspected breeding sites. (i)	Partners
1.2	Develop projects to locate breeding locations for species (including identification of cryptic species, e.g. Vanuatu petrel) where currently unknown, to assess threats and develop management and population monitoring plans. (ii)	SPREP, Members Partners
1.2	Identify priority species for tracking projects to determine at-sea foraging distribution and migration using bird-borne tracking technologies. (iii)	SPREP, Members Partners
1.2	4 Identify priority species and sites for demographic and diet studies. (iii) (iv)	SPREP, Members Partners
1.2	Assess threats to breeding seabirds at different scales, including species, island, and colony scales. (v)	SPREP, Members Partners
1.2	Develop and publish a guide on standardised research and monitoring methodology. (vi)	SPREP, Partners
1.2	7 Encourage Pacific island nationals to undertake postgraduate studies on seabird conservation / management. (vii)	Members
IND	ICATORS	TIMEFRAME
i.	Partnerships between stakeholders have been developed for surveying and confirming known and new seabird colonies; population size estimates are being obtained.	Ongoing
ii.	Breeding locations have been found and confirmed for highly threatened, cryptic, or	Ongoing
	data deficient species.	2024
	Tracking and diet studies have been initiated.	2026
IV.	Peer-reviewed articles and reports have been published on distribution, diet, and demography.	2026
v.	Long-term monitoring programmes are established for threatened species.	2023
vi.	Pacific Regional Research and Monitoring Guide has been published.	2026
	Students from Pacific island range states are enrolled in postgraduate studies on seabirds and island ecosystems.	2020

THEME 2: CLIMATE CHANGE

OBJECT	VE 1: Protect vulnerable seabird breeding sites	
NUMBER	ACTION	RESPONSIBILITY
2.1.1	Investigate options for protecting and / or mitigating risks to species breeding on low-lying islands at risk from rising sea level and storm events.	SPREP, Members, Partners
•	R is at risk from climate change impacts identified and sites for protection or cation investigated.	TIMEFRAME 2023
OBJECT	VE 2: Incorporate seabird conservation into nature-based solutions to build ed	cosystem resilience
2.2.1	Develop management plans incorporating seabird conservation to build ecosystem resilience in both terrestrial and near-shore / coral reef environments.	SPREP, Members
INDICATO	R	TIMEFRAME
	rvation management plans developed to take advantage of the benefits obtained serving seabirds in providing nature-based solutions to climate change.	2025



Seabirds over Nukutolu Islets, Northern Lau Group, Fiji. © Karen Baird

THEME 3: ECOSYSTEMS AND HABITAT PROTECTION

NUMBER	ACTIONS	RESPONSIBILITY
3.1.1	Identify and / or restore suitable alternative seabird colony sites to mitigate urban and agricultural impacts and climate change (see 2.1.1). (i)	SPREP, Members, Partners
3.1.2	Identify and prioritise critical habitats (e.g. breeding sites, foraging areas, migratory pathways) as nationally protected areas and / or KBAs, and target for protection through national planning processes (e.g. NBSAPs). (ii)	SPREP, Members, Partners
3.1.3	Develop capacity within local communities to undertake and monitor conservation management and restoration work. (iii)	SPREP, Members, Partners
3.1.4	Ensure that EIA processes take account of seabird breeding sites and flyways to avoid or mitigate adverse effects from rural and urban development (including lighting), conversion to plantations, agricultural expansion, mining, and logging. (iv)	SPREP, Members, Partners
3.1.5	Encourage and support Pacific range states to action principles of the CMS for seabirds and their habitats. (v)	SPREP, Members
INDICATO	RS	TIMEFRAME
i. Alterr	native seabird colonies are established as mitigation.	2026
ii. KBAs	that include seabirds are protected through national planning processes.	2024
iii. Capa	city building to monitor seabirds is being carried out.	2024
iv. EIA p	rocesses take account of threats to seabird breeding sites and flyways.	2024
	al habitats for seabirds are both recognised (e.g. through KBAs) and protected gh national planning processes.	2026
	VE 2: Prioritise marine areas for protection to align with seabird foraging an hotspots	d
3.2.1	Identify priority marine areas for protection using information from seabird tracking projects (see 1.2.2). (i)	SPREP, CMS Secretariat, Members, Partners
3.2.2	Develop a network of dynamic marine protection zones for key seabird foraging periods (e.g. investigate feasibility of short temporal fishing closures in key areas). (ii)	SPREP, Members, Partners
INDICATO	RS	TIMEFRAME
	e areas covering seabird foraging hotspots are defined and gazetted for oral and / or spatial protection.	2026

Members, Partners

THEME 4: THREAT REDUCTION

Guidelines).33 (iii).

NUMBER	ACTIONS	RESPONSIBILITY
4.1.1	Eradicate or control invasive alien species (animal and plant) at targeted and priority seabird breeding sites and monitor and maintain biosecurity at these sites. (i)	SPREP, Members, Partners
4.1.2	Set seabird and egg harvest levels under appropriate traditional or legislative frameworks to promote recovery of depleted and declining populations. (ii)	SPREP, Members, Partners
4.1.3	Avoid or mitigate, as appropriate, infrastructure and industry development	SPREP,

OBJECTIVE 1: Reduce direct and indirect land-based threats to seabirds

4.1.4	Investigate potential stressors on seabird populations that can contribute to	SPREP,
	outbreaks of disease. (iv)	Members, Partners
INDICATOR	as s	TIMEFRAME
		0004

to take account of seabird attraction to lights and potential for collisions with

power lines and other infrastructure at height (refer to CMS Light Pollution

i. Eradication or control programmes established for critical habitats for seabirds.
ii. Sustainable harvest management plan in place where traditional harvest takes place.
iii. Avoidance or mitigation implemented that reduces light pollution impacts and potential collisions with power lines.
iv. Stress factors that can lead to seabird disease outbreaks investigated.



³³ Government of Australia. 2020. National light pollution guidelines for wildlife including marine turtles, seabirds and migratory shorebirds [Internet]. CMS; [accessed 2022 Feb 3].

https://www.cms.int/sites/default/files/document/cms_cop13_doc.26.4.9.1_rev.1_australia-light-guidelines_e.pdf

THEME 4: THREAT REDUCTION

OBJECTIVE 2: Reduce marine-based threats to seabirds, including in areas beyond national	
jurisdiction (ABNJ)	

_		
4.2	Build on existing compliance systems in-country to enforce regulations around seabird by-catch in RFMOs, e.g. Western Central Pacific Fisheries Commission. (i)	Members, Partners
4.2		SPREP, Members, Partners
4.2	Continuously monitor the effectiveness of provisions within RFMOs to reduce seabird by-catch and allow impacted populations to recover. (iii)	Members, Partners
4.2	3 1	SPREP, Members, Partners
4.2		SPREP, Members, Partners
4.2	,	SPREP, Members, Partners
IND	ICATORS	TIMEFRAME
i.	Enforcement of national by-catch mitigation requirements on fishing vessels is occurring.	Ongoing
ii.	Port-based outreach extension programmes have been established to improve awareness and compliance of seabird by-catch mitigation measures.	2023
iii.	Seabird by-catch mitigation requirements and enforcement in RFMOs is allowing impacted seabird populations to recover.	2025
iv.	Research on the indirect effects of fisheries on seabird populations is being supported.	Ongoing
v.	Seabird indicator species for plastic pollution (ingestion) have been identified.	2024
vi.	Promotional material on the impact of light on seabirds at sea has been developed and shared and, if appropriate, mitigation options produced and circulated.	2025



THEME 5: CULTURAL SIGNIFICANCE AND VALUE

OBJECTIVE 1: Incorporate traditional knowledge, stories, and customs about seabirds and their place in the cultural landscape in policies, plans and public awareness materials, where culturally appropriate

appropriate the second		
NUMBER	ACTIONS	RESPONSIBILITY
5.1.1	Work with traditional knowledge holders to understand historical and current distribution of seabirds, long-term trends, and potential for restoration. (i)	SPREP, Members
5.1.2	Preserve and protect the traditional knowledge and values associated with seabirds in artforms, video, audio and publications. (ii)	SPREP, Members, Partners
5.1.3	Encourage contemporary artists and artisans within the region to incorporate the significance of Pacific seabirds into their work. (ii)	SPREP, Members
INDICATORS		TIMEFRAME
 Tradition 	Ongoing	
and potential for restoration.		Ongoing
Project	s to support traditional knowledge and values in art are supported.	
OBJECT	VE 2: Ensure traditional knowledge informs management systems	
5.2.1	Integrate cultural practices, values, and knowledge associated with seabirds into management plans, national policies, and legislation. (i)	SPREP, Members
INDICATO	R	TIMEFRAME
	ional values, knowledge, and cultural practices are recorded and included in gement plans, national policies, and legislation.	2025

THEME 6: LEGISLATION, POLICY AND MANAGEMENT

OBJECTIVE 1: Include measurable outcomes for seabird conservation in legislation, policy, and management plans

management plans					
NUN	MBER	ACTIONS	RESPONSIBILITY		
6.1.	.1	Review legislative mechanisms to assess where seabird conservation actions can be applied within existing frameworks and identify gaps. (i)	SPREP, Members		
6.1.2		Integrate seabird conservation into regional and international initiatives, including the CMS, e.g. nominating threatened regional seabird species to Appendix I or II. Also consider joining the CMS daughter agreement: ACAP. ³⁴ (ii)	SPREP, Members, Partners		
INDICATORS			TIMEFRAME		
i.	. Report of the outcomes of the legislative review and recommendations for changes published		2024		
		irds explicitly included in national plans of action (NPOAs) and advocated for at ational fora.	Ongoing		

³⁴ ACAP. 2004. Agreement on the conservation of albatrosses and petrels [Internet]. ACAP; [accessed 2022 Feb 3]. https://www.acap.aq/

THEME 7: ECOTOURISM AND LIVELIHOODS

NUMBER	ACTIONS	RESPONSIBILITY
7.1.1	Review marine-based tourism including economic benefits / value and level of interest in the region's seabirds. (i)	SPREP, Members
7.1.2	Identify opportunities to support wildlife tourism for seabirds at the community level. (ii)	SPREP, Members, Partners
7.1.3	Encourage marine tour operators to include information about seabirds as part of marine tour operations and prioritise training and employment of Pacific island nationals as nature guides and boat drivers. (iii)	SPREP, Members
7.1.4	Encourage and support Pacific island nationals to start and run appropriate marine wildlife ventures. (iv)	SPREP, Members
INDICATO	RS	TIMEFRAME
i. A revi	ew of potential for seabird inclusion in marine-based tourism has been completed.	2026
ii. Seab	irds are included in local wildlife tourism ventures.	2026
iii. Pacific island nationals are employed in wildlife tourism.		2024
iv. Wildlife ventures are owned and operated by Pacific island nationals.		2025
OBJECT	VE 2: Restore seabird colonies to improve local fisheries	
7.2.1	Collaborate with fishers to develop adaptive fishing practices where seabird restoration is occurring, to demonstrate the benefits to nearshore and reef fish productivity. (i)	SPREP, Members, Partners
INDICATO	R	TIMEFRAME
	tive fishing practices have been established collaboratively with fishers and are nstrating the benefits of seabird restoration to nearshore and reef fish productivity.	2026



THEME 8: CAPACITY BUILDING AND COLLABORATION

OBJECTIVE 1: Increase capacity for monitoring and managing seabird populations at community and national levels

NUMBER	ACTIONS	RESPONSIBILITY
8.1.1	Help communities to build skills and knowledge in mapping, recording, and monitoring seabird populations, and to participate in conservation programmes (e.g. access to expertise and resources, including possible exchange programmes with countries that have greater expertise). (i)	SPREP, Members
8.1.2	Develop practical training modules and / or workshops for survey methods based on regional priorities, including searches for breeding sites, data collection, and monitoring colonies. (ii)	SPREP, Members, Partners
8.1.3	Investigate options for providing tertiary scholarships in both marine and social sciences relating to Pacific seabird ecology. Support internship and training on seabirds through research centres, universities, and other agencies throughout the region, and with major partners (e.g. Aotearoa New Zealand, Australia, France, UK, and USA). (iii)	SPREP, Members, Partners
8.1.4	Develop workshop programmes for effective research, conservation, and management of seabirds, drawing on regional expertise. (iv)	SPREP, Members, Partners
8.1.5	Develop in-country capacity to monitor existing seabird harvesting to ensure sustainability. (v)	SPREP, Members, Partners
INDICATO	RS	TIMEFRAME
	nunities supported to build knowledge and skills to manage conservation abird colonies, e.g. exchange programmes.	2025
ii. Regio	nal workshops for survey methods and colony monitoring undertaken.	2025
	olarship for tertiary students on Pacific seabird ecology has awarded.	2024
	shops are available for Pacifica on research, conservation, and gement of seabirds.	2025
v. In-co	untry capacity has been developed to monitor sustainability of harvesting.	2026
OBJECT	VE 2: Enhance national, regional, and international collaboration	
8.2.1	Encourage the transfer of seabird knowledge and expertise between projects through exchange opportunities for conservation workers. (i)	SPREP, Members, Partners
8.2.2	Establish a Pacific seabird expert advisory group that can help provide advice through SPREP and negotiate and advocate for regional policies at international fora. (ii)	SPREP, Members, Partners
8.2.3	Encourage international cooperation for the protection of Pacific seabirds through the CMS and ACAP. (iii)	SPREP, CMS Secretariat, Members, Partners
INDICATO	RS	TIMEFRAME
 Exchange opportunities are provided for conservation workers. 		2024
 Seabire 	d expert advisory group is in place.	2022
	pation in CMS / ACAP discussions and priority settings is promoting the eration of the requirements of Pacific seabirds.	Ongoing