



COOK ISLANDS NATIONAL BIODIVERSITY STRATEGY AND ACTION PLAN PENRHYN NBSAP REPORT

PENRHYN COMMUNITY WORKSHOPS Omoka and Te Tautua

31st October 2024



Facilitators: Halatoa Fua, Rima Moeka'a, Kura Moeka'a, Sandee Cook and Kas Silk Participants: Island Council and Community Members from Omoka and Te Tautua Villages







Summary

The National Environment Service (NES) team facilitated dynamic and well-attended workshops in the villages of Omoka and Te Tautua, fostering meaningful engagement with enthusiastic community members. The workshops focused on critical topics such as biodiversity conservation, waste management, and climate resilience, emphasizing the integration of traditional knowledge, active community participation, and sustainable practices. Participants demonstrated a strong commitment to addressing local challenges and exploring innovative opportunities for environmental stewardship.

Site visits complemented the workshops, providing the NES team with valuable insights into the unique environmental conditions on Tongareva and allowing for practical discussions on how to implement solutions tailored to the island's needs. These collaborative efforts not only highlighted the communities' deep connection to their natural environment but also underscored their dedication to preserving it for future generations.

Below is a summary of the discussions and outcomes from the workshops, organized by village and aligned with the five NBSAP strategic goals.

Participants

Signed registers attached as Annex A

Workshop Agenda

Attached as Annex B

NBSAP 2002 Presentation

NBSAP Background

Rima Moeka'a provided an overview of the NBSAP's history and development, emphasizing the 2002 NBSAP's alignment with

national, regional, and international frameworks. She highlighted its relevance to the broader goals of biodiversity conservation and protection.

Importance of Biodiversity

The presentation underscored biodiversity's vital role in ecosystem stability, human well-being, and climate regulation, stressing the need for a robust biodiversity plan to ensure food security, clean water, medicinal resources, and environmental resilience.

Success Stories

Several success stories were shared, such as the development of the National Invasive Species Strategy, rat eradication efforts on selected islands, and the coordination with various stakeholders on biodiversity issues.



Te Tautua Community





National Targets

The new guiding national biodiversity targets were introduced, focusing on five key strategic goals:

- Area management and restoration
- Species management
- Threats management (including climate change impacts and pollution)
- Integrating knowledge and learning for sustainability
- Mainstreaming policies and legislation

Tongareva Community Workshops

Omoka Village – 31st October 2024

1. Area Management and Restoration



- **Raui Systems:** Community members discussed re-establishing raui zones to protect local species such as kaveu, pasua, and pipi. Proposals included conducting community meetings, integrating traditional prayer rituals, and establishing monitoring systems to ensure compliance.
- **Coastal Erosion:** Concerns about shoreline degradation led to discussions on replanting native trees and exploring sustainable infrastructure to protect against erosion for future generations.
- Legislation: Calls were made for regulations to formalize raui zones and enforce penalties for non-compliance.

2. Species Management

- Key Species Protection: Monitoring and surveys for birds such as tara, tavake, and kotaha were identified as priorities.
- **Rats and Cats:** Rat eradication programs were emphasized due to their impact on biodiversity and human health. Wild cat populations were also flagged as a threat to bird species, with suggestions for biocontrol and de-sexing programs.
- **Traditional Knowledge:** Preserving and revitalizing cultural practices such as planting rito and maintaining breeding sites for tara were highlighted as integral to species management.





3. Threats Management

- Waste Management: The community identified burning and burying waste as a major issue, leading to water contamination. They called for more skip bins and funding to address waste disposal challenges, including solar panel and battery waste.
- **Climate Change:** Cyclones, sand mining, and prolonged dry seasons were noted as critical threats, necessitating community-led regulations and support for mitigation efforts.

4. Learning for Sustainability

- **Community Education:** Workshops focused on the raui system and sustainability practices were proposed, with a strong emphasis on youth education in schools, churches, and homes.
- **Future Generations:** The community emphasized passing down traditional environmental stewardship practices to ensure resilience and sustainability.

5. Mainstreaming Policies and Financial Mechanisms

- **Funding Needs:** Securing funding to support raui systems, rat eradication, and waste management projects was identified as critical.
- **Partnerships:** Collaboration between NES and local stakeholders was proposed to strengthen enforcement and implement long-term conservation strategies.

Te Tautua Village – 1st November 2024

1. Area Management and Restoration

- Waste Separation and Management: Community members highlighted the need for waste separation bins and a program to remove bulky waste from the island. They expressed willingness to sort waste if logistical support and containers were provided.
- Raui and Biodiversity: Protecting local species such as kaveu and pipi through raui systems was discussed, emphasizing community consensus and monitoring.

ting the second se

Coconut crab

2. Species Management

- Rats and Invasive Species: The community raised concerns about rats damaging electrical wiring and increasing in population. They proposed a rat eradication plan, with attention to the safety of human and animal populations during baiting programs.
- **Marine Life:** Trochus species were flagged as invasive, potentially affecting paua populations, prompting a need for monitoring and management.





• **Birds and Cats:** Addressing wild cat populations to protect bird habitats was identified as a priority, alongside conservation of endangered bird species.

3. Threats Management

- Water Scarcity: Droughts and the need for improved desalination systems were discussed as pressing issues.
- **Plastic and Sanitary Waste:** The community emphasized the importance of reusable nappies, proper sanitary waste disposal, and reducing reliance on plastics to protect soil and water quality.

4. Learning for Sustainability

- Education and Awareness: Community workshops and school-based programs were seen as vital for raising awareness about biodiversity and conservation.
- Youth Engagement: Practical activities like tree planting and biodiversity monitoring were highlighted as effective ways to involve young people in sustainability efforts.

5. Mainstreaming Policies and Financial Mechanisms

- **Waste Removal Programs:** The community proposed creating a structured program to remove waste, including car batteries and bulky items, from the island.
- **Infrastructure Support:** Requests were made for additional NES officers to support environmental projects and regular updates on project progress.

Conclusion

The workshops in Omoka and Te Tautua showcased the strong commitment of Tongareva's communities to biodiversity conservation and sustainable practices. The discussions underscored the importance of integrating traditional knowledge with modern approaches, addressing waste management challenges, and enhancing climate resilience. These insights will guide the development of a comprehensive Island Plan, aligned with NBSAP goals and tailored to the unique needs of both villages. Continued collaboration, funding, and stakeholder support will be crucial to implementing the proposed strategies and ensuring the sustainability of Tongareva's environment for future generations.

Acknowledgement:

We deeply appreciate the Penrhyn Island Council for their meticulous preparation and warm hospitality during our visit. The well-organized site visits and seamless planning greatly contributed to the success of our work on the island.





Attachments:

- Annex A: Signed Registers of Participants
- Annex B: Workshop Program



Erosion on Omoka





Annex A. Signed registers of participants

	1 200	sland Courcel	
NATIONAL ENVIRONMENT SERVICE LUANCA IMPORTORIORO COOR ISLANDS			THE BIODIVERSITY PLAN
COOK ISLANDS	,	A CONTRACT	
Name	Gender	Contact details: Phone or Email *optional	Signature
1eika Faira	m		and the second s
Teheva Viniki	M	U2116/ U2083	Aprili O-
TAMM TE TAMMAN	m	42116/42003	John -
TACINANANGA: NIUKORE	m		There
Matara Akatapuria	M	70383	A.
Rangitava. Taia	M	57829	Las-
0			A
	-		
Parch		Composity Workst	
Renrh Te 7	yn Faurt	Community Workst	reb
Rench Te T Tonica Invitionment Stevice Tonica Invitionment Concernation	yn Faut DV 20	Community Workst 129 224	THE BIODIVERSITY PLAN
		diversity Strategy and Action Plan (N	
Cook Islands Natio	nal Bio	"Parts"	
Cook Islands Natio	nal Bio	diversity Strategy and Action Plan (N Attendance Sheet	IBSAP) Workshop
Cook Islands Natio	nal Bio	diversity Strategy and Action Plan (N Attendance Sheet	IBSAP) Workshop
Cook Islands Natio Name Nelvino Resnussen Takai Rewyn Diggo Jaioe	nal Bio Gender	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional	IBSAP) Workshop
Cook Islands Natio Name Nahano Rasnussen Talcai Rawyn Biggo Jaice	nal Bio Gender F F	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 66273	IBSAP) Workshop
Cook Islands Natio Name Nahuro Resnusseu-Takai Rawyn Biggs Jaia Aroha Faira Teika Faira	Gender F F F M	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 66273	IBSAP) Workshop
Cook Islands Natio Name Nahuno Raonungsen-Taleai Raowyn Biggs Jaia Aroha Faira Teika Faira Teika Faira Teika Faira	Gender F F F M F	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 66273 80179	IBSAP) Workshop
Cook Islands Natio Name Melhuno Rasnussen-Takai Raswyn Biggs Jaia Aroha Faira Teika Faira Tehitirere Akatapuria Purote Taine Williams.	Gender F F M F F F	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710	IBSAP) Workshop
Cook Islands Natio Name Netwoo Reonwosen-Takai Raowyn Biggs Jaia Aroha Faira Teika Faira Tehitinene Akatapuria Perote Taine Williams. Jatura Akatapuria	Gender F F F M F F N	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email "optional 79011 66273 80179 76710 76710 70383	IBSAP) Workshop
Cook Islands Natio Name Mahano Rasnussen Takai Rawyn Biggs Jaice Aroha Faira Teika Faira Tehitinere Akatapuria Purote Taine Williaus. Matara Akatapuria Williaus. Oriodu. Williaus	Gender F F F M F F N M	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710 76710 70383 75729	IBSAP) Workshop
Cook Islands Natio Name Mahuno Rasnussen-Takai Raswyn Biggs Jaia Aroha Faira Teika Faira Tehitirere Akatapuria Purote Taine Willians. Matan Akatapuria Willians. Orach. Nillians Ratorag. Mania	Cender F F F M F F N F F N S	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710 76710 70383 75729 423.30	IBSAP) Workshop
Cook Islands Natio Name Mahano Resonascen-Takai Rawyin Biggs Saia Aroha Faira Teika Faira Tehitinere Akatapuria Revole Taine Williams. Matana Akatapuria Milliam. Onodu. Millians Matana Akatapuria Millians. Onodu. Millians Matana Matapuria Millians. Onodu. Millians Maronag. Mania Teora Moc	nal Bio Gender F F F F F N F F N F N F	diversity Strategy and Action Plan (N Attendance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710 76710 70383 75729	IBSAP) Workshop
Cook Islands Natio Name Mahowo Rasnussen Takai Raowyn Biggs Saice Aroha Faira Teika Faira Tehitinere Akatapuria Purote Taine Williams. Matara Akatapuria Nillians. Orioch. Nillians Matara Akatapuria Nillians. Orioch. Nillians Matora utania TEOPA MOC Detrich	nal Bio Gender F F F M F F N F F N T M	diversity Strategy and Action Plan (Naterdance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710 703%3 75779 6592	IBSAP) Workshop
Cook Islands Natio Name Mahano Rasnussen-Takai Raswyn Biggs Jaice Aroha Faira Teika Faira Tehitivere Akatapuria Purote Taine Willians. Matara Akatapuria Nillian. Orach. Nillians Matara Akatapuria Nillian. Orach. Nillians Ratorag. Manis TEOPA Moc Datrich Apara Willia S	nal Bio Gender F F M F F N F F N S S S S S S S S S S S S S S	diversity Strategy and Action Plan (Natendance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710 703\$3 75779 413.30 56572	IBSAP) Workshop
Cook Islands Natio Name Nelvino Reoniussen-Takai Raowyn Biggs Jaia Aroha Faira Teika Faira Tehitinere Akatapuria Perote Taine Williams. Vatara Akatapuria Nillian. Oriani. Nillians Natorag. utania TEOPA MOC Detrich	nal Bio Gender F F F M F F N F F N T M	diversity Strategy and Action Plan (Naterdance Sheet Contact details: Phone or Email *optional 79011 56273 80179 76710 703%3 75779 65592	IBSAP) Workshop





		rsity Strategy and Action Plan (NBSA Attendance Sheet ntact details: Phone or Email *optional Sig	gnature
MALAND SOLO		2302 4	luno
TIONA FAIRA .	, , , , , , , , , , , , , , , , , , , ,	6572 7	Fit
ter Tapaitau	M 4	.2340 3	perae
the second se			
and the second			
	L		
	gaver Octoba imo ka	la Community Worksh er 2024 3pm	Page 1
TU-INGA TAPOROPORO COOK ISLANDS	imo ka		THE BIODIVERSITY PLAN
	Gende	Contact details: Phone or Email *optional	THE BIODIVERSITY PLAN For Life on Earth Signature
lame Mangutava, Taia	Gende	Contact details: Phone or Email *optional	THE BIODIVERSITY PLAN
	Gende M M	Contact details: Phone or Email *optional 57829 43020 -	THE BIODIVERSITY PLAN For Life on Earth Signature
lame Rangitava, Taka App, Mollebypii Tereapi Napa	Gende M M M M	Contact details: Phone or Email *optional 57829 42,020 - 79033	THE BIODIVERSITY PLAN For Life on Earth Signature
Name Aangitava, Taia Aabx, Mollelapii Tereapi Napa Emma Viniki	Gende M M M F F	Contact details: Phone or Email *optional 57829 42020 - 79033 79933	THE BIODIVERSITY PLAN For Life on Earth Signature
Name Name Nangitava, Taia Albx, Mollelapii Tereapi Napa Emma. Viniki Haropo Voiki	Gende M M M F F F	Contact details: Phone or Email *optional \$7829 \$92020 - 79033 79933 \$50438	THE BIODIVERSITY PLAN For Life on Earth Signature
Ame Aangitava, Taka Aangitava, Taka Aapx, Molvelapil Tereapi Napa Emma. Viniki Harope Visiki Paterongo Marstapu	Gende M M M F F F M	Contact details: Phone or Email *optional \$7829 \$43,020 - 79033 \$7983 \$50438 \$3877	THE BIODIVERSITY PLAN For Life on Earth Signature
Ame Rangitava, Taka Abx Molletypi Ticken, Napa Emma. Viniki Harapo Visiki Raterongo Marstapu Ifombs. TAME.	Gende M IM. F F F M M	Contact details: Phone or Email *optional 57829 42020 - 79033 79933 50438 53877 \$9642-	Signature
Name Rangitava, Taia Rangitava, Taia Rangitava, Taia Albox, Mollelapii Tereapi Napa Emma. Viniki Haropo Voiki Paterongo Marstapu Ifombs. Taime. Viden Talukon	Gende M IN. F F F M M	Contact details: Phone or Email *optional 57829 42020 - 79033 79933 50438 53877 \$9642 53058	THE BIODIVERSITY PLAN For Life on Earth Signature
Aangitava, Taia Rangitava, Taia Appitava, Taia Appitava, Taia Appitava, Taia Appitava, Taia Appitava, Taia Appitava, Taia Appitava, Taia Emma. Viniki Harapo Visiki Paterongo Maretapu Ifombs Taime Victor Tajukon Cobo Taime	Gende M IM. F F F M M M M	Contact details: Phone or Email *optional 57829 42020- 79033 79933 50438 50438 53877 89642 53058 77103	Signature
Name Plangitava, Taig Plangitava, Taig Albox, Molletypi Tereapi Napa Emma. Viniki Haropo Visiki Paterongo Marstapu Iffombs Iffine Uncton The Ukorn Ebb Taine Abba Iscala	Gende M IN. F F F M M M F	Contact details: Phone or Email *optional 57829 42020 - 79033 79933 50438 53877 \$9642 53058 77103 78104	Signature
Name Rangitava, Taia Rangitava, Taia Rangitava, Taia Abox Mollelapii Tereapi Napa Emma. Viniki Haropo Visiki Paterongo Marstapu Iffombs Taime Victor Talukon Cobo Taime Abba Iscala Konea Turany	Gende M IM. F F F M M M M	Contact details: Phone or Email *optional 57829 42020- 79033 79933 50438 53877 89642 53058 77103 78104 5018	Signature
Ame Aangitava, Taka Aangitava, Taka Aangitava, Taka Aangitava, Taka Aangitava, Taka Aangitava, Taka Aangitava, Taka Aangitava, Taka Angitava, Taka Angitava, Taka Emma. Viniki Paterongo Maretapu Itombs Interne Victor Takukon Ebb Taime Aba Iaaka Angitava Angitava Aba Iaaka Ama Taka Arangitava Angitava Aba Iaaka	Gende M IN. F F F M M M F F M	Contact details: Phone or Email *optional 57829 42020- 79033 79933 50438 50438 53877 89642 53058 77103 78104 50198 10116/12083	Signature Generative Generat
Name Rangitava, Taia Rangitava, Taia Rangitava, Taia Abox Mollelapii Tereapi Napa Emma. Viniki Haropo Visiki Paterongo Marstapu Iffombs Taime Victor Talukon Cobo Taime Abba Iscala Konea Turany	Gende M IM F F F M M M F F	Contact details: Phone or Email *optional 57829 42020- 79033 79933 50438 53877 89642 53058 77103 78104 5018	Signature Generative Generat



Name

Mas

16



For Life on Far

Signature

THE BIODIVERSITY PLAN

e <u>Gender Contact details: Phone or Email *optional</u> sitia Taime F 58 51/18 duakare Masters F 555

17 p	Metuakore Masters	F	-51500	Magta
18 7	Paerou Taime	F	57061	Paus
19 h	JamaHutu Isaakg	F	56778	Aleader.
20 7	Twon Turine	M-	77/03 2 42041	Duand
2/1	na Taraare	F	77637	Raut
ZZN	Janata Akatapuria	M	58989	Altationia
23 7	Hine Taine Williams	F	76999 hina taime Cookislands govick	Healligns
24	Ru. Taime	m	72 496 maystelletaime agnail.com	Danie
25 1	stani williams	M	72446	ev.





Annex B. Workshop Agenda

DATE	TIME	ORGANIZATION/GROUP/DEPARTMENT	ACTIVITY	VENUE
Thu 31 st Oct	12 pm	Arrive Penrhyn	Flight from Manihiki	
	1:30 pm	Island Council Meeting	NBSAP Intro	Council chambers
	3 pm	Welcoming at Omoka Presentation with the Community Discussions on the NBSAP Rapid Review on NBSAP 2002 Group work	NBSAP Presentation	Omoka Community Hall
Fri 1 st Nov	8:30 am	Boat transfer to Te Tautua	Assessment	Waste sites, Milkfish ponds
	11 am	Welcoming at Te Tautua Presentation with the Community Discussions on the NBSAP Rapid Review on NBSAP 2002 Group work	NBSAP Presentation	Te Tautua Community Hall
Sat 2 nd Nov	8 am	Site visits - Omoka	Assessment	
	12:30 pm	Depart Penrhyn		