

Implementing a “Ridge to Reef” approach to protecting biodiversity and ecosystem functions in Nauru (R2R Nauru)

AGENCY OUTPUT 2019 or BIENNIUM EXPECTED RESULT	PLANNED ACTIVITIES	TIMEFRAME				IMPLEMENTER (government or NGO partner)	PLANNED BUDGET	
		Q1	Q2	Q3	Q4		Source of Funds	Budget Description
<p>with annual indicators and targets against planned activities</p> <p>4 YEAR OUTPUT:</p> <p>To preserve biodiversity, ecosystem services, improve climate resilience and sustain livelihoods in Nauru using a ridge to reef approach.</p> <p>Planned Indicators</p> <p>Status of integrated land, water and coastal management in Nauru</p> <p>Target Indicators</p> <p>LMMA implementation and integrated land-use management planning and implementation</p>	<p>List all activities including M&E to be undertaken during the year towards stated Agency 2019 output or Biennium Expected Result</p>					<p>Government of Nauru, Department of Commerce, Industry and Environment (DCIE), Department of Environment, Project Implementing Unit (PMU)</p>		

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<p>Outcome 1.1: Improved management effectiveness of new marine conservation areas.</p> <p>Planned Indicators</p> <ul style="list-style-type: none"> Area of coastal and marine water under active management as a Locally Managed Marine Area <p>Target Indicators</p> <ul style="list-style-type: none"> 10% of coastline of Nauru (approximately 10 km) incorporated into LMMA with implementation of management plans in 4 Districts (Anabar, Anibare, Ijuw and Meneng) 	<p>Component 1 – Conservation of Marine Biodiversity</p>				
				<p>71400 – Contrc Service-Individual</p> <p>78,625</p>	
				<p>72300 – Materials and Goods</p> <p>47,688.62</p>	
				<p>72200 – Equipment and Furniture</p> <p>48,895.58</p>	
				<p>75700- Workshop & Training</p> <p>50,000</p>	

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<p>Output 1.1.1 - A network of locally managed marine areas (community based (CB) or locally managed marine areas (LMMAs) established through community actions and supporting enabling government actions</p>	<p>1.1.1.1 Finalise the review of the proposed marine regulatory framework for community base management of coastal areas and elicit DCC feedback into the process</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	
<p>Planned indicators</p> <ul style="list-style-type: none"> • Agreement between Government and DCC on LMMA establishment management • Ecosystem health survey identifying priority sites for protection and management 	<p>1.1.1.2 Develop agreements between the Government and District Community Councils to establish and operate LMMAs including community consultation and associated processes</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>*refer to LMMA specialist comments (ongoing activity between NFMRA & SPC)</p>	
<p>2019 Targets :</p> <ul style="list-style-type: none"> • 4 LMMA management plans finalized with management committees established • Enact the Coastal Fisheries & Aquaculture Bill 	<p>1.1.1.3 Complete an island wide marine ecosystem health surveys with a focus on coral cover, fish and invertebrate abundance and other related matter.</p> <p>1.1.1.4 Based on the marine ecosystem and coral health study, provide recommendation on a national network of LMMAs</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>*refer to LMMA specialist comments (part of rapid socio-econ survey report for 5 pilot sites)</p>	

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<p>Output 1.1.2 LMMAs strengthened through development and implementation of management plans</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> Development of island level (national) based / CCA / LMMAs Plan Implementation of community management plans for selected sites. 	<p>1.1.2.1 Community consultation on management issues for each LMMAs development</p> <p>1.1.2.2 Develop marine management action plan for each 4 district through a participatory process</p> <p>1.1.2.3 Implementation of the LMMAs Management Plan in collaboration with DCC and NFMRA</p> <p>1.1.2.4 Participatory monitoring and evaluation of the Management Plan with DCCs and NFMRA</p> <p>1.1.2.5 Gather data on inshore resource use and compare fishing pressure to determine FAD deployment</p> <p>1.1.2.6 Based on findings from alternative livelihoods assessment (socio-economic analysis including gender), implement effective marine-based alternative livelihood measures such as fish, clams and/or seaweed farming.</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>											<p>Subtotal Activity Result for Outcome 1.1</p>	<p>225,209.20</p>
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<p>Outcome 2.1: Integrated landscape management practices adopted by local communities living within the bottom-side and applicable ridge and topside areas not covered by mining</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> • Land-use management plans being actively implemented in all 5 districts <p>Planned 2019 Target:</p> <ul style="list-style-type: none"> • 4 district land-use management plans prepared and being actively implemented 	<p>Component 2 – Sustainable land and water management</p>		<p>Government of Nauru, Department of Commerce, Industry and Environment (DCIE), Department of Environment, Project Implementing Unit (PMU)</p>	<p>GEF</p>	<p>71200 – International Consultant 69,121</p> <p>71400 – Contrc Service-Individual 28,625</p> <p>72100 – Contrc Service Company 86,656.5</p> <p>72300 – Materials and Goods 28,681.2</p> <p>72200 – Equipment and Furniture 15,837.67</p> <p>72500 - Supplies 345.88</p> <p>75700 – Workshops & Training 50,071.75</p>
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<p>Output 2.1.1 Biophysical, demographic and socioeconomic assessments conducted and reviewed in the project districts, focusing on the bottom-side and applicable ‘ridge’ areas and topside not covered by mining</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> • Baselines for land-use plan and terrestrial environmental management established. <p>2019 Targets:</p> <ul style="list-style-type: none"> • National assessment completed with detailed 5 district terrestrial profiles 	<p>2.1.1.1 Collect and review biophysical, demographic, and socioeconomic parameters including site specific land use and ownership pattern for the 5 R2R pilot districts (to be linked with Activity 1.1.2.6)</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p>2.1.1.2 Develop district “terrestrial” profiles based on the studies in 2.1.1.1 and land ownership pattern for the 5 R2R pilot districts</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>

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<p>Output 2.1.2 Integrated agricultural land-use plans developed for the bottom-side and applicable ‘ridge’ and topside areas that are not covered by mining through review of the draft land-use plan and patterns of land ownership for the project districts/sites</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> • Integrated land-use plan <p>2019 Targets:</p> <ul style="list-style-type: none"> • Island wide integrated agriculture land use plans developed with special focus on priority districts. 	<p>2.1.2.1 Review current information, district profiles with DCC and local stakeholders and review the implementation of existing plans</p> <p>2.1.2.2 In a participatory manner finalise an integrated Land Use Management assessment for the entire island and detailed Plan for the 5 R2R pilot districts</p>	<p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p>																		
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<p>Output 2.1.3 Soil and water conservation measures implemented, including rehabilitation of degraded land in ‘ridge’ and topside areas using economic species such as fruit trees and increase of communal water storage facilities in the five R2R water-stressed project districts to support home gardens and household water supply.</p>	<p>2.1.3.1 Further expand the production capability of the government plant nurseries to improve production and distribution of stocks of suitable trees</p>	<p>✓</p>
<p>Planned Indicators:</p> <ul style="list-style-type: none"> ● Number of households growing fruit-trees to contribute to soil conservation measures ● Water storage enhanced in selected communities <p>2019 Targets:</p> <ul style="list-style-type: none"> ● Improved knowledge and skills of communities on soil fertility. ● Improved landscape planted with drought and salt tolerant food crop species in the 5 pilot districts. ● 50 fruit trees growing per district site 	<p>2.1.3.2 Distribute fruit trees seedlings to each community within the 5 pilot to improve food security and provide guidance on management approaches</p>	<p>✓</p>
<p>Planned Indicators:</p> <ul style="list-style-type: none"> ● Number of households growing fruit-trees to contribute to soil conservation measures ● Water storage enhanced in selected communities <p>2019 Targets:</p> <ul style="list-style-type: none"> ● Improved knowledge and skills of communities on soil fertility. ● Improved landscape planted with drought and salt tolerant food crop species in the 5 pilot districts. ● 50 fruit trees growing per district site 	<p>2.1.3.3 Distribute rainwater harvesting systems to individual houses within each of the 5 R2R project districts to be utilized for home gardening</p>	<p>✓</p>

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<p>Output 2.1.4 Drought- and salt-tolerant food crops tested and practices disseminated to communities and households building on initiatives of bilateral and multilateral organizations</p>	<p>2.1.4.1 Enhance capacity of DoA staff to cultivate salt resistant food crop species through intensive capacity building at SPC (agriculture) in Fiji</p>	✓	✓	✓													
<p>Planned Indicators:</p> <ul style="list-style-type: none"> • Number of participating households using new crop varieties in all 5 districts 	<p>2.1.4.2 The DoA plant nursery to actively culture 10 species of salt resistant food crops suitable for planting in Nauru and ensure availability to communities</p>	✓	✓	✓													
<p>2019 Targets</p> <ul style="list-style-type: none"> • 250 fruit trees distributed to households in each of the pilot 5 districts • 10 varieties of food crops distributed to households in each of the 5 pilot districts • 75 composting pits constructed in 15 households in each of the 5 pilot districts 	<p>2.1.4.3 Distribute salt and drought resistant food crops to each community within the 5 R2% project districts to improve food security.</p>	✓	✓	✓													

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<p>Output 2.1.5 Innovative measures implemented (e.g. small scale solid and wastewater treatment systems, i.e. composting toilets) to reduce pollution loads by at least 10% on MMAs to improve ecosystem health and sustain ecosystem services (based on successes of pilot demonstrations of the IWRM project and as a way of implementing the national IWRM plan)</p>	<p>2.1.5.1 Distribute waste water treatment systems (composting toilets) to selected individual houses (identified in IWRM Plan) within each of the 5 R2R project Districts to reduce impact on ground water quality</p>	<p>2.1.5.2 Provide information and awareness for selected households on use of composting toilets</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>Subtotal Activity Result for Outcome 2.1</p>	<p>279,339.00</p>
<p>Planned Indicators</p> <ul style="list-style-type: none"> Number of waste water treatment systems (composting toilets) for reducing pollution established <p>2019 Targets</p> <ul style="list-style-type: none"> 5 new composting toilets operational in 5 districts 											

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<p>Outcome 3.1 Biodiversity conservation and SLM mainstreamed in policy and regulatory frameworks</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> • Number of policies developed for key sectors incorporating R2R considerations <p>2019 Targets:</p> <ul style="list-style-type: none"> • 2 sectoral plans/strategies developed 	<p>Component 3: Governance and Institutions</p>		<p>Government of Nauru, Department of Commerce, Industry and Environment (DCIE), Department of Environment, Project Implementing Unit (PMU)</p>	<p>GEF</p>	<p>71200 – International Consultant 71400 – Contrc Service- Individual 74500 - Misc 75700 – Workshops & Training (integrate into C1 & C2)</p>	<p>110,000 62,882 3,000 12,346</p>
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<p>Output 3.1.1 Relevant policies developed for key sectors such as environment, waste management, natural resource management, coastal fisheries management, and agricultural land-use developed</p> <p>Planned Indicator:</p> <ul style="list-style-type: none"> • Number of policies developed for key sectors incorporating R2R considerations <p>2019 Indicators:</p> <ul style="list-style-type: none"> • 2 sectoral plans/strategies approved by Cabinet 	<p>3.1.1.1 Review and finalise sectoral policies under DCIE responsibilities including NBSAP</p>	✓	✓	✓														
	<p>3.1.1.2 Review and develop an Environmental and Social Safeguard Policy and Guidelines for DCIE</p>	✓	✓	✓														
	<p>3.1.1.3 Review and develop a Land Use Policy Framework</p>	✓	✓	✓														
	<p>3.1.1.4 Review and develop Fisheries Act, Regulation and Law with NFMRA (link to component 1).</p>	✓	✓	✓														

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<p>Output 3.1.2: Capacity strengthening of national agencies associated with new policies and framework process development and formulation, including drafting of legislation; monitoring and evaluation (impacts, water quality, etc.); project implementation/management and oversight; GIS; and land-use planning</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> • Number of trained government personnel on integrated R2R approaches (gender disaggregated data) <p>2019 Targets:</p> <ul style="list-style-type: none"> • Review and develop a Land Use Policy Framework • Review and finalise sectoral policies under DCIE responsibilities including NBSAP • Review and develop an Environmental and Social Safeguard policy and guidelines for DCIE 	<p>3.1.2.1 Develop and deliver capacity building and training courses to relevant government sector/staff involved in policy formulation to increase knowledge, skills and capacity</p> <p>3.1.2.2 Participate in relevant national and regional training programs provided by the regional program support project of the Pacific R2R Program</p>	<p>✓</p> <p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p>				
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<p>Output 3.1.3: Capacity strengthening of national agencies associated with new policies and framework process development and formulation, including drafting of legislation; monitoring and evaluation (impacts, water quality, etc.); project implementation/management and oversight; GIS; and land-use planning</p>	<p>3.1.3.1 Leadership training course – Develop and deliver a leadership training course targeting all district leaders (5 districts) in Nauru (DCC members, women representatives, NGO reps, etc) on the subject of leadership and sustainable management including R2R approaches (5 districts – 3 representatives/DCC).</p>	<p>✓</p>	<p>✓</p>	
<p>Planned Indicators:</p> <ul style="list-style-type: none"> Number of district leaders trained on applying and enforcing skills in integrated R2R approaches (gender disaggregated data) <p>2019 Targets: 20 staff from across ministries and Fisheries and Fisheries Authority</p>	<p>3.1.3.2 Community training courses – Develop and deliver training activities for district communities on R2R approaches (biodiversity, sustainable marine and terrestrial resource and environmental management) with specific training for selected audiences including youth, women and individuals with special needs).</p>	<p>✓</p>	<p>✓</p>	
				<p>Subtotal Activity Result for Outcome 3.1</p> <p style="text-align: right;">188,228.00</p>

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<p>Outcome 4.1: Improved data and information systems on biodiversity and land management best practices</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> • Number of databases developed for DCIE. • Number of community members receiving information on R2R management and taking action to enhance environment <p>2019 Targets:</p> <ul style="list-style-type: none"> • 1 integrated database • 2 trainings 	<p>Component 4: Knowledge Management</p>		<p>Government of Nauru, Department of Commerce, Industry and Environment (DCIE), Department of Environment, Project Implementing Unit (PMU)</p>	<p>GEF</p>	<p>71200 - International Consultant</p> <p>72300 - Materials & Goods</p> <p>72200 – Equipment & Furniture</p> <p>74500 - Misc</p> <p>71600 – Travel</p> <p>75700 – Workshop & Training</p> <p>74200 – Audio & Visual Production</p>	<p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p> <p>0</p>
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<p>Output 4.1.1 Integrate data and information on biodiversity and sustainable land management and relevant sectors on the Environment; provide inputs to the regional R2R program on monitoring and progress reporting on the Pacific R2R program</p> <p>Planned Indicators:</p> <ul style="list-style-type: none"> ● Number of databases developed for DCIE ● Number of training courses conducted on database setup & maintenance <p>2019 Targets:</p> <ul style="list-style-type: none"> ● 1 (integrated database) ● 1 training 	<p>4.1.1.1 Develop and finalise an environmental data base system for DCIE to manage, analyse, use and monitor data</p> <p>4.1.1.2 Develop and deliver capacity building and training to relevant staff to increase knowledge, skills, and capacity associated with data base systems within DCIE</p> <p>4.1.1.3 Coordinate with the Pacific R2R Regional Program Support Project in terms of providing project-related information for monitoring and evaluation of the entire R2R program.</p>	<p>✓</p> <p>✓</p> <p>✓</p>	<p>✓</p> <p>✓</p> <p>✓</p>				
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<p>Output 4.1.2: Knowledge products (videos, photo stories, flyers, brochures) on all thematic areas and best practices developed and disseminated through various media (print and broadcast)</p>	<p>4.1.2.1 Develop and deliver capacity building and training to the R2R communication officer to increase knowledge, skills, and capacity associated with the delivery of information to the government, project stakeholders, communities, and regional agencies</p>	✓	✓	✓		
<p>Planned Indicators:</p> <ul style="list-style-type: none"> • Number of community members receiving information on R2R management and taking action to enhance environment 	<p>4.1.2.2 Develop and deliver communication and knowledge products developed on all thematic areas associated with the R2R project.</p>	✓	✓	✓		
<ul style="list-style-type: none"> • Number of knowledge products, including best practices, produced on all thematic areas, disseminated through various media 	<p>4.1.2.5 Develop and finalise a web site for DCIE and for the R2R project that are informative and interactive.</p>	✓	✓	✓		
<ul style="list-style-type: none"> • Participation in regional R2R activities 	<p>Undertake extensive island wide community consultation and awareness of the above activities and ensure R2R community engagement.</p>	✓	✓	✓		
<p>2019 Target</p> <ul style="list-style-type: none"> • 200 households • 3 knowledge products • Regular participation in regional R2R activities 	<p>4.1.2.6 Actively contribute to and garner support from PacIW: LEARN platform, building and sustain existing resources and networks available in the Pacific of</p>	✓	✓	✓		

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<p>On behalf of implementing partner</p> <p>Department of Commerce, Industry & Environment, Government of Nauru, Yaren, Republic of Nauru.</p> <p>Approved by</p> <p>Signature: _____</p> <p>Date: _____</p> <p>Name: Mrs Berilyn Jeremiah</p> <p>Title: <u>Secretary CIE</u></p>	<p>On behalf of implementing agency</p> <p>United Nations Development Programme – Pacific Office in Suva, Fiji.</p> <p>Approved by</p> <p>Signature: _____</p> <p>Date: _____</p> <p>Name: Mr. Kevin Petrini</p> <p>Title: <u>RSD Team Leader</u></p>

