



Pathways to Sustainable Food Systems in Palau

#KeledANgercheled Task Force Analysis Frameworks

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Mainstreaming Sustainable Food Systems into Your Ministry in order to Achieve Food Security for Palau

Steps:

1. Determine who in your ministry can help with mainstreaming. Who else has the ability to update your Ministry's strategies, policies, plans and practices? If you want help briefing them please email anu.bintorio@gmail.com.
2. Gather your strategies, policies, plans, and practices.
3. Familiarize yourself with the vision, objectives, targets, and definition of food security.
4. Use these tables as guides to help you mainstream. The point is not to fill in the tables, but for the tables to help you with the analysis and thought process. The main point is to update your Ministry's strategies, policies, plans and practices and thus achieve Food Security.
5. Our first step is to look internally at each Ministry, but keep tabs on ways to mainstream across sectors and Ministries.



ANALYSIS FRAMEWORK: Objectives and Targets **(DRAFT – NEEDS TO BE UPDATED)**

Objective By 2030, Palau will have....	Indicator with Targets	How can my Ministry/Bureau/ Strategy/Practices better meet the Targets and Objectives?
Zero hunger (sufficient food)	a. Zero (0) cases of undernourishment, stunting, or wasting	
Access and consumption of nutritious, healthy, and safe food by all	a. 75% of total food expenditures is for locally-produced food (up from 16%)	
	b. Prevalence of overweight and obesity among school children decreases to 20% (from 33%)	
	c. Prevalence of overweight and obesity among adults decreases annually (from 77.6%)	
	d. Mortality attributed to cardiovascular diseases, cancer, diabetes, and COPD decreased by 25% (from 70%)	
	e. Decrease in number of (doctor visits???) due to food-borne illnesses (or goes to zero??)	
	f. A 25% increase in provision of locally produced food in schools, hospital and government functions	
	g. Number of villages / States (Or in terms of distance to???) with a store/market that continually offers fresh fruits and vegetables, fresh complex carbohydrates, and fresh/low-fat proteins on a daily basis equals 100%	
	h. Number of retailers offering sustainably produced local products increases (to what???)	



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Objective By 2030, Palau will have....	Indicator with Targets	How can my Ministry/Bureau/ Strategy/Practices better meet the Targets and Objectives?
Increasing the amount of sustainable production,	a. Triple the amount of agricultural production (fruit trees, livestock, root crops, vegetables)	
	b. Increase the supply of sustainably DFZ-sourced pelagic fish to 600 mt/year (or in line with nutritional guidelines)	
	c. Increase aquaculture production for food by 25%	
Steadily/continually offering a diversity of nutritious and safe products,	a. Annually increase the number and type of locally-produced added-value food products sold and consumed in Palau	
	b. Organic and Sustainable Business Certification programs are in place and accessed by an annually increasing number of local businesses/producers	
Maintaining or restoring biodiversity and ecological, social, and cultural systems	a. Agriculture and aquaculture are at a minimum carbon neutral, or help to reduce Palau's overall carbon footprint	
	b. The majority of agriculture and aquaculture farms, whether commercial or subsistence, use Best Practices to maintain or promote biodiversity and minimize pesticide or fertilizer pollution and sedimentation	
	c. The proportion of indigenous Palauans engaged in or employed in agriculture, aquaculture, or offshore fisheries increases annually	
	d. At least one Traditional Palauan Food Restaurant is operating successfully	
Stable livelihoods (jobs, income, and sociocultural stability) for families and businesses from	a. The average annual income from participation in the Food System (production, distribution, processing) is equal-to-or-greater than the per capita GDP	



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Objective By 2030, Palau will have....	Indicator with Targets	How can my Ministry/Bureau/ Strategy/Practices better meet the Targets and Objectives?
participation in the Food System, enabling a quality of life on par with other peers,	b. Number of Palauans employed in Food Systems increases (relative to??; until??)	
Fair and transparent transfer of values among users in the Food System value chain.	a. Profiles of producers established and enable tracking of products in the supply and value chain.	



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Vision FRAMEWORK

Vision

By 2030, Palau's Blue and Green Food Systems are coordinated holistically across sectors, are modernized and efficient, support sustainable livelihoods, drive nutritional hunger to zero, and are environmentally and culturally sustainable and resilient.

Vision Component	Guiding Questions	How can my Ministry/Bureau/ Strategy/Practices better ensure achievement of the Sustainable Food Systems Vision?
By 2030	<i>Will our actions meet the 2030 Agenda</i>	
Palau's Blue and Green Food Systems	<i>Is my Ministry/Bureau / Strategy addressing Blue foods (pelagic fish, aquaculture, invertebrates, nearshore fish) and Green Foods (vegetables, fruit, root crops, livestock)? Are there gaps?</i>	
Coordinated holistically across sectors	<i>Do the Bureaus work together and offices work together internally? Is there a mechanism? Do we have enough partnerships and connections outside the Ministry? Is there a mechanism?</i>	
Modernized and Efficient	<i>Do our efforts support the use of modern technologies? Are money or time or resources wasted?</i>	
Support Sustainable Livelihoods	<i>Does our work help people make money, hold down jobs, or meet their own needs through food systems? Can those livelihoods continue indefinitely without depleting resources or human capital? Are any resources that we work with at risk of running out?</i>	
Drive Nutritional Hunger to Zero	<i>Does our work enable people to have enough to eat? Do we enable people to have nutritious food to eat?</i>	
Environmentally sustainable and resilient	<i>Do our Ministry's actions lead to any environmental harm? Do we utilize Best Practices based on location and resources?</i>	
Culturally sustainable and resilient	<i>Do our Ministry's actions celebrate or perpetuate or support cultural practices? Do we lead to any cultural harm?</i>	



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FOOD SECURITY DEFINITION FRAMEWORK

Definition of Food Security (World **Food** Summit, 1996; used by Palau)

“**Food security** exists when all people, at all times, have physical and economic access to sufficient, safe and nutritious **food** that meets their dietary needs and **food** preferences for an active and healthy life”.

Food Security Definition	What does this mean?	How can my Ministry/ Bureau/ Strategy/ Practices better ensure Food Security?
Accessible • “all people” • “physical and economic access”	<i>Food that is affordable and within reasonable distance (reachable) to get to it, for all people all over the country</i>	
Available • “at all times”	<i>A constant and consistent supply of food year-round, even in a crisis</i>	
Enough • “sufficient” • “nutritious” • “meets dietary needs and food preferences”	<i>Quantities of food that meet nutritional and energy needs of the local population</i>	
Safe	<i>Food supplies that do not pose immediate or long-term human or environmental health risks</i>	



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Palau SDG Targets FRAMEWORK



Palau Target (2019 VNR)	Target 1.2. Reduce poverty by at least half	Target 2.1. End hunger; access to safe, nutritious, sufficient food; Target 2.2. End all malnutrition Target 2.4 Capacity for climate change adaptation	Target 3.4. Reduce by one third premature mortality from NCDs	Target 4.4. Increase youth and adults who have skills (including technical & vocational)	Target 5.4. Recognize and value unpaid domestic work; shared responsibility Target 5.b Information and technology to empower women	Target 6.4 Water use efficiency, sustainable freshwater withdrawals and supply Target 6.5. Integrated water resources management at all levels
Desired Food Systems Outcomes	Improved jobs and incomes in fisheries, agriculture, and tourism	Increased amount, affordability, access, and stability of locally-produced healthy foods	Preferences towards healthy foods and increasing healthier consumption	Higher demand for sustainable products stimulates job diversification and training	Increasing respect and desirability for food production activities	Food System development that is inclusive of transboundary and cross-sector impacts
How can my Ministry/ Bureau/ Strategy/ Practices better meet the SDG Targets?						



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SDG	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 	10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 
Palau Target	Target 7.2. Increase share of renewable energy	Target 8.2. Economic productivity from diversification & high-value added; Target 8.3. Productive activities, job creation, entrepreneurs; Target 8.4 Resource efficiency Target 8.6. Reduce unemployed youth Target 8.9. Sust. tourism w/ jobs, culture, local prodcts.	Target 9.2. Inclusive and sustainable industrialization Target 9.3. Upgrade infrastructure and industries, w/ resource-use efficiency, clean and eco-sound; Target 9.b Domestic technology development; diversification and value addition to commodities	Target 10.1. Income growth of the bottom 40% of the population Target 10.2. ... Social, economic and political inclusion of all	Target 11.4. Safeguard cultural and natural heritage Target 11.6 Lower environmental impact of cities, including waste management Target 11.7. Universal access to safe, inclusive and accessible, green and public spaces	Target 12.3. Reduce food losses along production and supply chains Target 12.4. Eco-sound chemicals and waste management Target 12.5. Reduce waste generation Target 12.7. Sustainable public procurement practices Target 12.8. Information and awareness for sustainable development
Desired Food Systems Outcomes	Increased use of solar in food production sectors	Expanded added-value sector, expanded fishery and agriculture production jobs, small business support, and improved business practices	Increased sustainable commercial production with decentralized support services and infrastructure, and technologies to connect markets	Increased Palauan participation in production, added-value, and tourism sectors; and comprehensive cross-sector profiles and planning	Nature-positive production, even in urban areas, best practices in agriculture zones, and blending of cultural practices into the supply and value chains	Reduced food waste and innovative diversion of food wastes, best practices in nature-positive agriculture, and expanded curriculum



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How can my Ministry/ Bureau/ Strategy/ Practices better meet the SDG Targets?						
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Palau Target	Target 13.1. Resilience and adaptive capacity Target 13.2. Integrate climate change measures into national policies, strategies and planning.	Target 14.4. End overfishing, IUU fishing, and destructive fishing to restore fish stocks Target 14.7. Economic benefits from sustainable use of marine resources Target 14.b. Access for small-scale artisanal fishers to marine resources and markets	Target 15.3. Combat desertification, restore degraded land and soil, and a degradation-neutral world. Table 15.7 Address both demand and supply of illegal wildlife products Table 15.8. Reduce the impact of invasive alien species	Target 16.6. Effective, accountable and transparent institutions Target G.16.7. Responsive, inclusive, participatory and representative decision-making	Target 17.6. Cooperation and access to science, technology and innovation Target 17.14. Policy coherence for sustainable development Target 17.16. Global partnership for sustainable development Target 17.17. Effective public, public-private and civil society partnerships
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Desired Food Systems Outcomes	Diversification and low-impact uses, cross-sector planning, climate mitigation and adaptation, and improved health	Increased aquaculture, best practices and zoning, increased use of traditional knowledge	Zoning and best practices, including conversion of degraded lands for nature-positive production	Cross-sector Sustainable Food Systems coordination mechanism, with data sharing	Cross-sector data sharing and pursuit of diverse Public-Private Partnerships
How can my Ministry/ Bureau/ Strategy/ Practices better ensure Food Security?					