GUIDE TO POLICY RECOMMENDATIONS

Focus Area	Market Segment	Priority Scores from Section 1	Benefit from Regional Governance? (Max: 3)	Challenges	Solutions from Governments	Main References	Collaborating Institutions	Corporate Governance	Compliance & Standards	Jurisdiction & Enforcement	Property Rights & Secure Tenure	Supporting Infrastructure	Concessionary Finance
Ecosystem and Natural Resource Management	Marine & River Ecosystems	23	3	Lack of collaboration among regional and national governance to prevent pollution & start restoration	Regional mediation of trans-national issues (rivers, EEZs). Enforce national best practices. Agree on regional standards	The Economics of Ecosystems & Biodiversity: Mainstreaming the Economics of Nature: A Synthesis of the Approach, Conclusions and Recommendation of the TEEB	COBSEA, , PEMSEA, ADB Regional Offices, UNDP & UN Environment, Pacific Island Forum, Pacific Community, SPREP, ASEAN, Commonwealth Blue Charter, Chinese Maritime Development	FALSE	TRUE	TRUE	FALSE	FALSE	TRUE
	Fishing	15	3	Overfishing by foreign, industrial fleets. Limited fishing & processing opportunities for locals	Secure tenure, Local coops - but avoid boat-buidling subsidies that promote overfishing. Shift to Aquaculture	ESCAP	PEMSEA, COBSEA, PNA Tuna Consortium, FAO, Marine Stewardship Council (MSC)	TRUE	TRUE	TRUE	TRUE	FALSE	FALSE
	Fisheries	15	3	Lack of effectiveness & enforcement. Industry influence over Regional Fishery Management Organisations (RFMOs)	Coordination among RFMOs, Science-based quotas, Enforcement & Monitoring	https://www.unescap.org/sites/default/d8files/knowledge-products/CSNDR%202020_Final_rez.pdf	PEMSEA, COBSEA, PNA Tuna Consortium, GMSC, Global Fishing Watch	FALSE	TRUE	TRUE	FALSE	TRUE	TRUE
	Seafood Processors & Distributors	19	2	Developing scale for production facilities, sustainable feeds, distribution and certification programs.	Blended finance for impact investments in local catch & processing		PEMSEA, COBSEA, FAO, MSC Chain of Custody Standard	TRUE	FALSE	FALSE	FALSE	TRUE	TRUE
	AquaCulture, AlgaCulture & Mariculture	23	3	Ownership of value chain dominated by foreign interests. Early-stage technologies	Fund scale-ups, training, innovations. Encourage industry partnerships with local ownership		PEMSEA, COBSEA, FAO, Aquaculture Stewardship Council (ASC)	TRUE	FALSE	FALSE	FALSE	TRUE	TRUE
Pollution Control	Solid Waste Management	17	1	Lack of funding & enforcement against pollution from industry & urban centers, crossing national boundaries via rivers	Scale-up investments in Collection, Sorting, Recycling, Disposal. Funding from ADB, DFIs, financiers, foundations.		PEMSEA, COBSEA, Ocean Conservancy, Closed Loop Initiative, China Scrap Plastics Association	FALSE	TRUE	FALSE	FALSE	TRUE	TRUE
	Resource Efficiency & Circular Economy	20	2	Wasteful production & design. Storms disrupting utility capacity. Water infra accessed illegally	Improve governance & capacity at utilities. Enforce standards to industry. Support CE practices & training		PEMSEA, COBSEA, ReSolve, McKinsey, Ellen McArthur Foundation, International Water Association, Arup, Alliance for Water Stewardship, Beverage Industry Environmental Roundtable, Carbon Disclosure Project, International Water Stewardship Program, Natural Capital Project (NatCap)	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE
	Non-point Source Management	21	2	Lack of international cooperation, enforcement and standards on waste mgt & water quality.	Mediation by ADB and UNEP. Increase Funding to Pollution Monitoring, Enforcement, Waste Mgt infra. Blended finance to attract impact investors		PEMSEA, COBSEA, WEPA, NARBO, FAO, ADB Agricultural Department	FALSE	TRUE	TRUE	FALSE	TRUE	TRUE
	Wastewater Management	23	3	Lack of funding for enforcement of regulation, maintenance, capacity upgrades	Funding support to local governments. Partnerships with industry. Investment model: Baltic Blue Bond		PEMSEA, COBSEA, Public Utilities Board (PUB) Singapore, ADB Water Department	FALSE	TRUE	FALSE	FALSE	TRUE	TRUE
Sustainable Coastal and Marine Development	Coastal & Marine Tourism	14	3	Uncontrolled development. Exhausted natural capital. Heavy seasonal use of public infra. Assets controlled by foreign operators with few enviro limits	Pay-for access marine sanctuaries to support conservation. Cruise ship limits. Resorts limited by enviro constraints, local ownership		PEMSEA, COBSEA, Conservation Finance Alliance	FALSE	TRUE	TRUE	TRUE	TRUE	TRUE
	Coastal Resilience	23	3	Triage decisions: Limited funds to protect all coasts. Big insurance gap but lack of data on blue infra as protection tool.	Regional cooperation for blue infra investments & insurance. Improve early warning systems, response, reconstruction teams.		PEMSEA, COBSEA, InsuResilience, PCRAFI	FALSE	TRUE	TRUE	FALSE	TRUE	TRUE
	Resilient Ports	22	3	Insurance & infra investment limited by lack of historical data, unproven blue infra, log-term investment needs vs short-term operator contracts	Increase natural & built protections, Raise level of docks & yards, Regional funds to secure intra-Asian supply chains via ports		PEMSEA, COBSEA, InsuResilience, Infrastructure Funds	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE
	Green Ports	22	3	Govts invest in increased port capacity more than sustainability. Maintain sovereignty vs foreign investment interests	Regional agreements to set green port standards. Shipping clients pay for clean onshore power. Add maritime accelerators to ports		PEMSEA, COBSEA, China Maritime Silk Road, World Port Sustainability Program, Singapore Maritime Accelerator	TRUE	TRUE	FALSE	FALSE	TRUE	TRUE
	Green Shipping	22	3	Early-stage tech. Most capital needed for clean fuel production & storage. High marine pollution caused by diesel burning & dumping via scrubbers. Lack of accountability for damage to local ecosystems	Invest in low hanging fruit: Hydrogen & wind power installations on public fleets. Subsidize same for private fleets sailing in region. Secure governance and standards makes coaltions possible for long-term investment		PEMSEA, COBSEA, Pacific Blue Shipping Program, Getting to Zero Coalition, SeaCargo, IMO, Intl Association of Ports & Harbours	TRUE	TRUE	TRUE	FALSE	TRUE	TRUE
	Marine Offshore wind Renewable Energy	22	2	Competition for funds & expertise. Lack of national collaboration for regional approach. Jurisdiction issues and enviro compliance	Mediation by ADB-UNEP. Regional framework & industry collaboration with long-term offtake agreements. Funding with bonds and infra funds		PEMSEA, COBSEA, Sustainable Energy Industry Association of the Pacific Islands (SEIAPI), ASEAN, ADB's Clean Energy Program, Global Wind Energy Council, IEA	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	Marine Tidal, Wave, Geothermal Renewable Energy	22	2	Early-stage tech. Subsidies needed to deliver marine energy at competitive cost. Jurisdiction issues and enviro compliance	Increase scale of existing facillities. Add testing & pilot sites. Require industry to source 50% of energy from clean sources by 2030		PEMSEA, COBSEA, Sustainable Energy Industry Association of the Pacific Islands (SEIAPI), ASEAN, ADB's Clean Energy Program, European Marine Energy Center (EMEC)	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE