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Blue Economy

- A version of the green economy made relevant to seas and oceans.
- It emphasizes the sustainable management of marine resources.

Regional Public Goods (RPG)

 Framework to operationalize blue economy policies.

 Identify common elements to ensure sustained and beneficial outcomes for all stakeholders

Regional Public Goods (RPG)

- 1. Pure non-rivalrous, non-excludable
- 2. Impure either non-rival or non-excludable
- Club goods some degree of excludability, benefitting only members
- **4. Joint products** different outcomes with their respective impacts or benefits



 pes of Regional	s of Regional Public Goods and their Aggregation/Production Technologies				
AGGREGATION/ PRODUCTION		Examples			
TECHNOLOGY	PURE PUBLIC	IMPURE PUBLIC	CLUB	JOINT PRODUCT	
Summation	Limiting air pollution; preventing desertification	Providing public health infrastructure; market boards for commodities	Satellite communication network; transnational parks	Deterrence through peace- keeping; preservation of rain forests	
Weighted sum	Reducing ambient pollutants; liming the spread of HIV-AIDS	Limiting run-off pollution; curbing acid rain	Free trade agreements; power grid	Eliminating threat of terrorism eliminating threat of revolutions	
Weakest link	Inhibiting the spread of a pest; eliminating a disease; labor standards	Surveillance of a disease outbreak; drug interdiction	Transportation network; Basel Accord among G-10 countries	Family planning; security intelligence	
Best shot	Cure for orphan diseases	Agricultural research findings; genetically engineered crops	Crisis management squad; satellite launch site	Quelling of flare-up by peacekeepers; bioprospecting	
	Source: Arce and Sandler (2002	:21), with some adaptations based	on the authors' analyses.		



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of Regional Public Goods Provision

Collective Action Well-defined cooperation frameworks agreements and treaties—including: Barents Sea Fisheries Management (i.e. several quota and zonal agreements between Norway and Russian Federation).

- Pelagos Sanctuary for Mediterranean Marine Mammals (i.e. an agreement to create a sanctuary signed by France, Italy and Monaco),
- Danube River Basin Preservation (i.e. the Danube River Protection Convention signed by EU countries) and
- Western and Central Pacific Tuna Management (i.e. several agreements to regulate quotas and catch areas signed by Pacific Island countries).







The use of side payments

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- Side payment schemes in which transfers are made (either monetary or non-monetary) by one member country to another
 - Cooperation in the management of Pacific Salmon provision of the US of a significant proportion of the initial funding established to support scientific research & conservation initiatives
 - Cooperation in the management of West & Central Pacific Tuna a move by some Pacific Island Countries to allow other countries' fishing fleets to operate within their territorial waters in exchange for the latter's commitment not to fish in the high seas in between the former's EEZs

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The Philippine Blue Economy: Challenges & Opportunities



Source: http://www.setyoufreenews.com/wp-content/uploads/2012/10/coral-triangle.gif

International marine scientists in 2006 have regarded the Philippines as the "Center of the Center" of Marine Biodiversity in the world, surpassing the Great Barrier Reef of Australia

Monetary Value of Marine Ecosystems

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USD 970 billion - USD 1.5 trillion

Conservative monetary value that marine ecosystems can contribute to the economy per year (in PPP USD, 2007 prices) (Azanza, et al , 2017)

GDP and Employment of Mari	Forming Leaders. Leading Reforms.		
Sector	Value added (Php millions)	Total employed	Largo potontial
Fishing	170,330.000	1,461,000	Large potential,
Manufacturing	14,069.162	34,328	vet relatively
Processing and preserving of fish and fish products and other seafoods	6,359.367	27,938	small economic
Building and repairing of ships and boats	7,709.795	6,390	footprint so far
Transport, Storage, and Communication	25,991.136	30,384	
Ocean passenger transport Ocean freight transport	4,302.751	1,248	(if measured
Interisland water passenger transport	5,100.088	8,388	traditionally) –
Interisland water freight transport	4,627.895	4,630	
Supporting and auxiliary activities to water transport	11,960.402	16,118	2.26% of GDP
Total Maritime	210,390.298	1,525,712	and 4 35% of
Gross Domestic Product	8,026,143		employed
Total Employed Labor Force		35,061,000	employed.
Percent of GDP/ Percent of Labor Force	2.62	4.35	
Source: NSOB, NSO (2010), NSO (Bureau of Labor Employment and Statistics (2012), con			

GULF NEWS ☎ ASIA

India Pakistan Philippines

Poachers destroy hectares of Philippines coral reef

More than 21,000 pieces of black corals harvested by poachers seized by customs officials

Published: May 25, 2011 18:08 By Barbara Mae Dacanay, Bureau Chief

> Manila: Poachers destroyed about 7,000 hectares of coral reef in Moro Gulf and Sulu Sea in the south Philippines when they harvested more than 21,000 pieces of black corals, which were seized by customs authorities in Manila two weeks ago, a local paper said.

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"One reef complex – twice the size of Manila district – was decimated. It was like a forest that has been cut down, " Ludivina Labe, a senior marine biologist of the Bureau of Fisheries and Aquatic Resources (Bfar) told the *Inquirer*.









