



THE EAST ASIAN SEAS CONGRESS 2015

Global Targets
Local Benefits

Setting the Sustainable Development Agenda
for the Seas of East Asia beyond 2015

16-21 November 2015 • Danang, Vietnam

INDONESIAN OCEAN ECONOMY AND OCEAN HEALTH

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Workshop 3.3: Blue Economy Development: Where are we now? Where are we headed?

INDONESIAN OCEAN ECONOMY

(Based on 2008 data by Indonesian Maritime Council, 2012)



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OCEAN ECONOMIC SECTORS AND THEIR RESPECTIVE OUTPUTS

Nr.	Sectors	Output (m US\$)	Share to Total Output (%)
1	Fisheries and Aquaculture	18,376.73	1.74
2	Mining (minerals, oil and gas)	14,630.10	1.39
3	Marine industries (manufacturing)	50,963.43	4.84
4	Marine transportation (shipping)	7,461.91	0.71
5	Marine tourism and recreation	2,044.56	0.19
6	Marine construction	42,322.54	4.02
7	Marine services	1,324.10	0.13
	Total	137,123.37	13.02

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EMPLOYMENT IN THE OCEAN ECONOMY

Nr.	Sectors	Employment	Share (%)
1	Fisheries and Aquaculture	1,687,560	1.64
2	Mining (minerals, oil and gas)	69,397	0.07
3	Marine industries (manufacturing)	302,201	0.29
4	Marine transportation (shipping)	840,390	0.81
5	Marine tourism and recreation	343,080	0.33
6	Marine construction	1,850,627	1.79
7	Marine services	190,444	0.18
	Total	5,283,699	5.11



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GROSS-VALUE ADDED, AND CONTRIBUTION TO GDP

Nr.	Sectors	GVA (mUS\$)	Share in GDP (%)
1	Fisheries and Aquaculture	13,534.75	2.61
2	Mining (minerals, oil and gas)	12,351.12	2.38
3	Marine industries (manufacturing)	27,005.85	5.20
4	Marine transportation (shipping)	2,352.34	0.45
5	Marine tourism and recreation	994.62	0.19
6	Marine construction	16,100.15	3.10
7	Marine services	672.85	0.13
	Total	73,011.68	14.06

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OCEAN ECONOMIC SECTORS AND THEIR RANK

Nr.	Sectors	Ranked by		
		Output	GVA	Employment
1	Fisheries and Aquaculture	3	3	2
2	Mining (minerals, oil and gas)	4	4	7
3	Marine industries (manufacturing)	1	1	5
4	Marine transportation (shipping)	5	5	3
5	Marine tourism and recreation	6	6	4
6	Marine construction	2	2	1
7	Marine services	7	7	6

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INDONESIAN OCEAN ECONOMY

(Based on 2013 data by Indonesian Statistics Council, 2015)



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OCEAN ECONOMIC SECTORS, GROSS-VALUE ADDED, AND RANK

Nr.	Sectors	GVA (mUS\$)	Rank
1	Fisheries and Aquaculture	29,179.91	4
2	Mining (minerals, oil and gas)	40,113.91	3
3	Marine industries (manufacturing)	67,426.94	2
4	Marine transportation (shipping)	3,233.22	6
5	Marine tourism and recreation	24,846.57	5
6	Marine construction	90,726.70	1
7	Defence/Government	1,017.17	7

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INDONESIAN OCEAN HEALTH

(Based on 2012 data by Ministry of Marine Affairs and Fisheries, 2014)



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AREA OF MANGROVES YEAR 2012 (Marine and Fisheries in Figures, 2014)

Nr.	Condition	Area	
		km ²	%
1	Good	3,036.80	12.94
2	Fair	7,299.86	31.10
3	Bad	13,134.43	55.96
	Total	23,471.09	100.00

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AREA OF CORAL REEFS YEAR 2012 (Marine and Fisheries in Figures, 2014)

Nr.	Condition	Area	
		km ²	%
1	Very good	1,333	5.29
2	Good	6,845	27.14
3	Fair	9,378	37.18
4	Bad	7,667	30.40
	Total	25,223	100.00

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ESTIMATED VALUE OF THE ECOSYSTEMS (US\$)

Nr.	Ecosystem Service	Coastal			Oceanic	Total	
		Mangrove	Seagrass	Coral Reef		Amount	%
1	Provisioning						
	· Fisheries	12,444.40	100,313.79	97,877.76	41.97	210,677.93	86.06
	· Fuelwood/charcoal	125.00				125.00	0.05
2	Cultural						
	· Recreation and tourism	14.00		3,176.88		3,190.88	1.30
	· Existence value	33.30	3,932.07	14,643.97		18,609.34	7.60
3	Regulating						
	· Carbon sequestration		154.48			154.48	0.06
4	Supporting						
	· Aquaculture	10,238.70				10,238.70	4.18
	· Mariculture		1,799.25			1,799.25	0.74
	TOTAL	22,855.40	106,199.59	115,698.61	41.97	244,795.58	100.00
	%	9.34	43.38	47.26	0.02	100.00	

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ISSUES IN FISHERIES AND ECOSYSTEMS; POLICIES AND ACTIONS BEING TAKEN BY THE GOVERNMENT

THE MAJOR ISSUE

- relatively low contribution of fishery → combat illegal fishing
- mangrove is deforestation → coastal and marine conservation
- coral destruction → coastal and marine conservation



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PROBLEMS RELATED TO THE ASSESSMENT OF OCEAN ECONOMY AND ECOSYSTEM SERVICES

17,504 islands

6.32 million square kilometers of marine area

Limited human resources



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