



# CAPACITY INDEX OF SUSTAINABLE COASTAL DEVELOPMENT

FOR COUNTRIES ALONG  
THE MARITIME SILK ROAD

2024

# Capacity Index of Sustainable Coastal Development for Countries Along the Maritime Silk Road

China Oceanic Development Foundation

Fujian Institute for Sustainable Oceans (Xiamen University)

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## **Foreword**

The “Silk Road Economic Belt” and the “21<sup>st</sup> Century Maritime Silk Road” initiatives were proposed by the Chinese President Xi Jinping during his visits to Central and Southeast Asian countries in 2013. These ideas soon gained widespread worldwide attention. In 2015, the Chinese government issued the *Vision and Actions on Jointly Building Silk Road Economic Belt and 21<sup>st</sup> Century Maritime Silk Road*, which stated an outlook of strengthened maritime cooperation among countries along the Maritime Silk Road through the construction of three blue economic passages (i.e., China–Indian Ocean–Africa–Mediterranean Sea, China–Oceania–South Pacific, and China–Arctic Ocean–Europe) underpinned by the Chinese coastal economic belt. The *Vision for Maritime Cooperation under the Belt and Road Initiative* jointly released by the National Development and Reform Commission (NDRC) and the then State Oceanic Administration (SOA) in 2017 displayed China’s dedication in building an open and inclusive cooperation platform, establishing constructive blue partnership, and forging a “blue engine” for sustainable development. In the past ten years since the Maritime Silk Road Initiative, China has strengthened ties with countries along the Maritime Silk Road in realms of ocean, science and technology, environmental protection, ports and so much more, while advancing cooperation mechanism.

In 2022, the NDRC and several departments jointly released a policy document to facilitate green development in countries involved in the Belt and Road Initiative (hereinafter referred to as “BRI”). The document called for the construction of supporting systems for green development and the expansion of robust big data service platforms dedicated to ecological and environmental protection. This will promote the seamless

sharing of crucial information regarding ecology, environment, and climate change, while also fostering enhanced technical cooperation. Under the background, the 21<sup>st</sup> Century Maritime Silk Road (hereinafter referred to as “MSR”) Initiative aims to promote the well-being of both the people and the ocean through international cooperation. As part of the endeavors to achieve the *2030 Agenda for Sustainable Development* goals targeting the field of ocean, it focuses on safeguarding marine ecosystems and biodiversity, surveying and evaluating coastal areas, monitoring ocean and coastal blue carbon ecosystems, eliminating poverty, promoting blue economic development, protecting maritime security, advancing research on marine technologies, and fostering stronger blue partnerships. The plan encompasses three dimensions of sustainable development: environment, society, and economy. For countries along the MSR, it provides actionable solutions for their economic challenges and for achieving the 2030 Agenda, as well as a roadmap for ocean and coastal development while supporting overall sustainable development.

However, most countries along the MSR are developing countries and emerging economies that inevitably face pollution and ecological degradation challenges with growing industrialization and urbanization. Other maritime activities provide additional challenges, such as increasing shipping and ports. These maritime activities negatively affect the marine ecosystems, critical habitats, and species, which are detrimental to maintaining regional ocean health and safeguarding marine ecological security. Assessing the capacity of sustainable coastal development for countries along the MSR is an important gateway to addressing these challenges. The assessment will reveal the state of coastal development and identify the advantages and challenges in social,

economic, and environmental development in these countries. It will also help extend cooperation and exchange between China and these countries and inform decision making for domestic sustainable development policies. These assessments should also contribute to blue partnerships and provide the foundations for a maritime community with a shared future.

The benchmark year of the 2024 Capacity Index of Sustainable Coastal Development for Countries Along the Maritime Silk Road (hereinafter referred to as “CISCD”) is 2022. To make sure the data selected for this research are scientific, effective, and operational, the scope of coastal zone for data selection is defined as 100km both landward and seaward from the coastline (excluding the indicators based on publicly available statistical data; for countries with a landward extent of less than 100km, the entire country is used as the scope instead). This research comprises three sections. The first section provides an overview of the capacity indices of sustainable coastal development in countries along the MSR. The second section introduces the methodologies of the capacity assessments of sustainable coastal development, including indicator system construction, data extraction, and data processing. The third section analyzes the results of the capacity assessments and provides conclusions. The 2024 edition of the report continues to utilize the more comprehensive, inclusive, and systematic framework of the 2023 edition, with the addition of Bulgaria and El Salvador. This brings the total number of assessed countries to 49 and maintains the currency of the data. Readers are encouraged to go beyond the overall rankings and focus on the performances and development tracks of the countries at theme and indicator level.

However, we understand that additional research is necessary. As the

program progresses, our team will continue to enhance the system for it to serve as a scientific source to inform national ocean policy. We aim to publish periodic research that sparks discussion and fosters collaboration with fellow researchers in this field, allowing our work to evolve through your valuable insights.



## **1. About the Capacity Index of Sustainable Coastal Development for Countries Along the Maritime Silk Road**

This research amalgamates and presents current data on the sustainable coastal development capacity of the countries along the MSR. For the indicator system, we selected 7 themes (Atmosphere, Land, Ocean, Freshwater, Biodiversity, Social Development, and Economic Development), 19 subthemes, and 35 indicators (Table 1). The data is classified into sustainable coastal development capacity indices and combined with their rankings, to indicate the capacity of sustainable coastal development for each country.

The Capacity Index of Sustainable Coastal Development for Countries along the Maritime Silk Road provides a comprehensive overview and assessment of the status of sustainable coastal development capacity in these countries. Scores for each theme and subtheme were calculated and aggregated to derive the overall assessment results. Scores from different themes, subthemes, and indicators reveal the strengths and areas requiring improvement for sustainable development. The overall sustainable coastal development capacity index scores and the detailed scores categorized by theme, subtheme, and indicator serve to position the countries between the lowest (10) and the highest (95) levels of sustainability. The composite index is aggregated at indicator, subtheme, and theme levels. Therefore, we encourage professionals and decision makers to go beyond composite indices and rankings and focus on the performance of each country at the theme, subtheme, and indicator levels.

**Table 1: The indicator system for capacity assessment of sustainable coastal development in countries along the MSR**

THEME	SUBTHEME	CORE INDICATOR
Atmosphere	Greenhouse Gas	Regional CO <sub>2</sub> emissions
		CO <sub>2</sub> emissions per capita
	Air Quality	PM2.5 concentration
		Regional SO <sub>2</sub> emissions
Land	Agriculture	Fertilizer usage
		Sustainable nitrogen management index (SNMI)
	Land Use	Land use intensity
		Coastal landscape index
Vegetative Cover	Normalized difference vegetation index	
Ocean	Fisheries	Seafood supply
		Artisanal fishing opportunities
		Proportion of overfishing
	Marine Environment	Clean waters
		Coastal wastes
	Natural Hazards	Coastal protection
Natural hazard risk exposure		
Freshwater	Water Quantity	Proportion of freshwater area to coastal land area
		Underground water storage
		Water use intensity
	Water Quality	Health risks caused by drinking water
Biodiversity	Species	Red list index
		Marine trophic index
	Ecosystem	Proportion of marine protected area to coastal area
		Proportion of land protected area to coastal land area
		Proportion of coastal wetland area to coastal land area
	Marine net primary production	

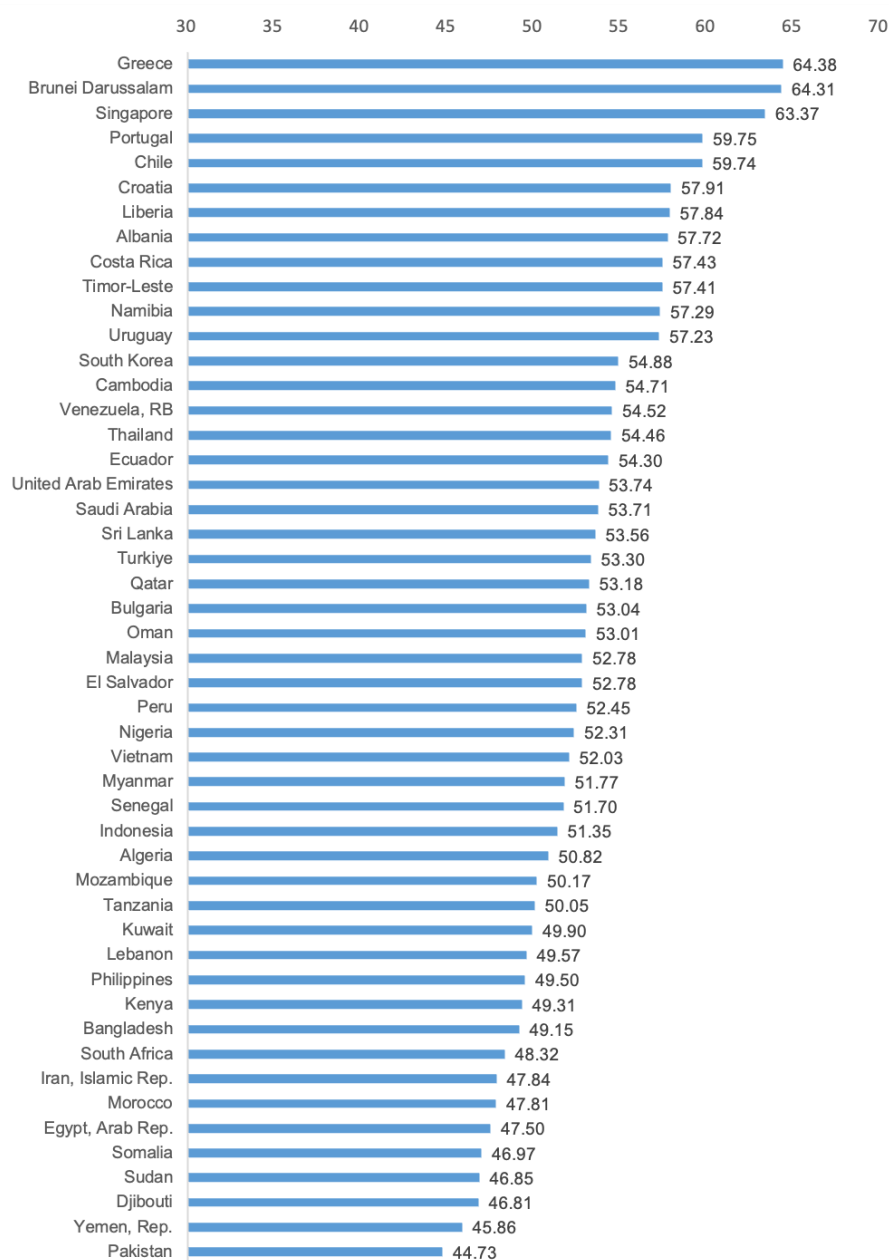
Social Development	Population Level	Coastal population density
	Level of Infrastructure Development	Road network density
	Income Equality	Gini coefficient
		Unemployment, total (% of total labor force)
	Standard of Living	Average life expectancy
		Engel coefficient
Gender Equality	Women business and the law index	
Economic Development	Economic Performance	Coastal GDP per capita
	Economic Structure	Proportion of marine economy

The indicator system combines the characteristics of each country with their coastal features to provide a comprehensive analysis of national and regional concerns. These concerns are highly relevant to sustainable coastal development and encompass the three pillars of sustainability - social, economic, and environmental, aiming to reflect sustainable development goals and basic human needs.

## 2. Results of the Capacity Assessment on Sustainable Coastal Development for Countries Along the Maritime Silk Road

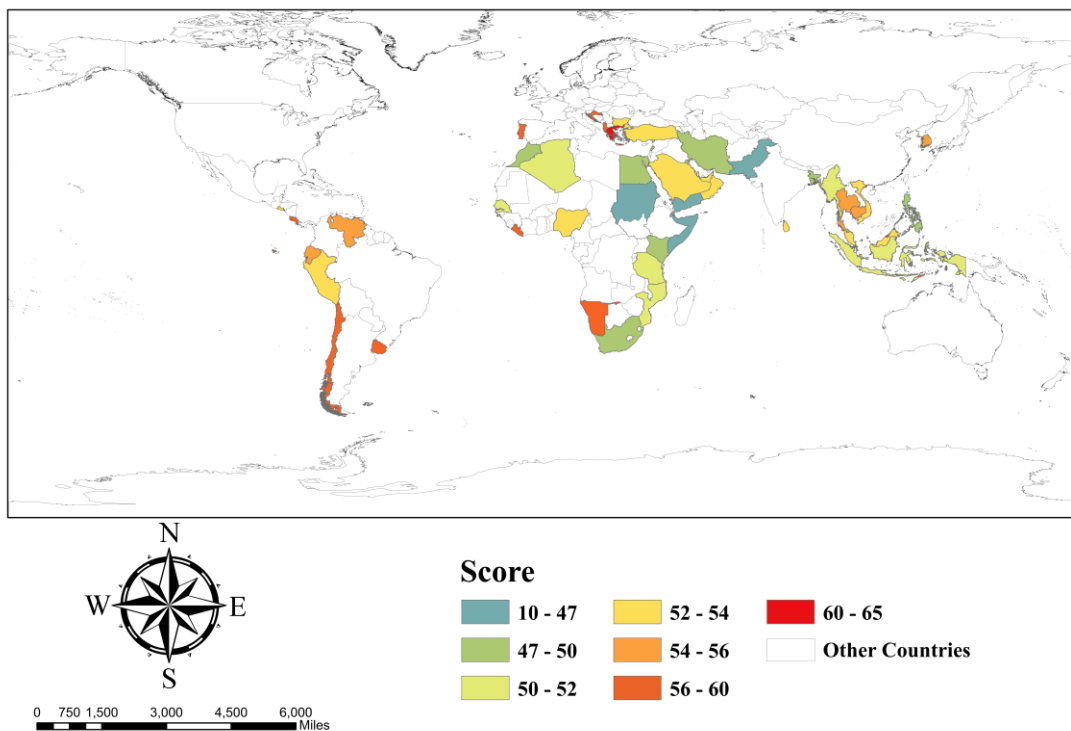
### 2.1 Overall Scores and Rankings

The overall scores and rankings of the capacity index of sustainable coastal development for the countries along the MSR are provided in Figure 1 (for detailed indicator scores, see Table 3).



**Figure 1: Overall scores and rankings of the capacity index of sustainable coastal development for countries along the MSR**

The results reveal the average sustainable coastal development capacity index score of the countries along the MSR was 53.04. More than half of the countries score below average, and much remains to be done to enhance these countries' capacity of sustainable coastal development. Greece obtains a much higher score than any other country with 64.38. Pakistan has the lowest score of 44.73. The top 10 countries in the comprehensive ranking are, in descending order: Greece (64.38), Brunei (64.31), Singapore (63.37), Portugal (59.75), Chile (59.74), Croatia (57.91), Liberia (57.84), Albania (57.72), Costa Rica (57.43), and Timor-Leste (57.41). The geographical distribution of the countries with their overall score is shown in Figure 2.

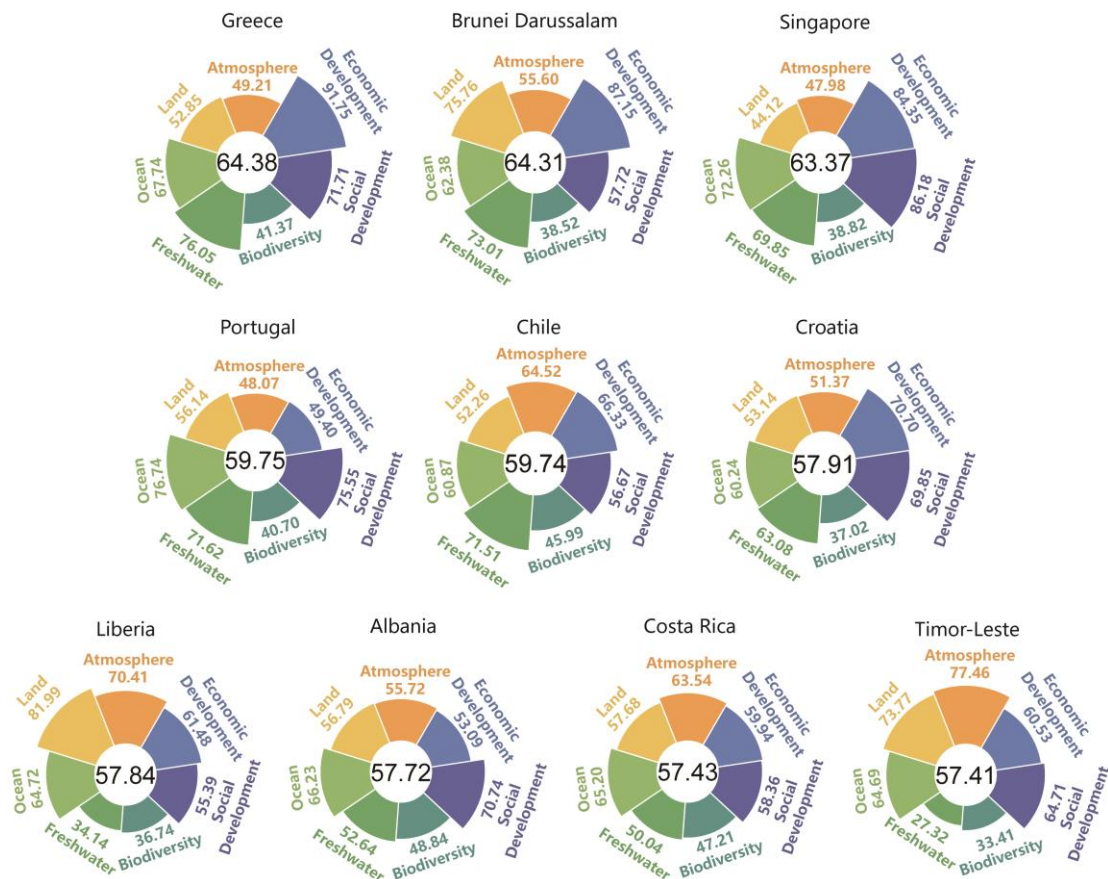


**Figure 2: Geographical distribution of the countries with their overall score**

The performance results of the top ten countries were further analyzed by theme, and the data was converted into graphs to better illustrate their strengths and areas requiring improvement (Figure 3).

The sustainability of Greece's coastal development is primarily driven by its strengths in Economic Development, Freshwater, and Social Development, with scores of 91.75 (ranks 1<sup>st</sup>), 76.05 (ranks 1<sup>st</sup>), and 71.71 (ranks 5<sup>th</sup>), respectively. However, Greece's performance in the Atmosphere theme is less favorable, with a score of 49.21 (ranks 34<sup>th</sup>). Brunei, ranks 2<sup>nd</sup> overall, excels in Land, Freshwater, and Economic Development, scoring 75.76, 73.01, and 87.15 respectively, securing 2<sup>nd</sup> place for all three themes. Nevertheless, its Ocean and Atmosphere themes are weaker, with scores of 62.38 (ranks 27<sup>th</sup>) and 55.60 (ranks 25<sup>th</sup>). Singapore performs well in Social Development, Economic Development, Ocean, and Freshwater, with scores of 86.18 (ranks 1<sup>st</sup>), 84.35 (ranks 3<sup>rd</sup>), 72.26 (ranks 4<sup>th</sup>), and 69.85 (ranks 5<sup>th</sup>), respectively. However, it scores lower in the Atmosphere (47.98 and ranking 38<sup>th</sup>) and Land (44.12 and ranking 44<sup>th</sup>) themes. Portugal stands out in Ocean, Freshwater, and Social Development, with scores of 76.74 (ranks 2<sup>nd</sup>), 71.62 (ranks 3<sup>rd</sup>), and 75.55 (ranks 3<sup>rd</sup>), respectively. On the other hand, its Atmosphere and Economic Development themes are weaker, scoring 48.07 (ranks 37<sup>th</sup>) and 49.40 (ranks 35<sup>th</sup>). Chile, ranks 5<sup>th</sup> overall, shows strengths in Freshwater and Biodiversity, with scores of 71.51 (ranks 4<sup>th</sup>) and 45.99 (ranks 6<sup>th</sup>), respectively. However, it underperforms in the Ocean and Social Development themes, with scores of 60.87 (ranks 32<sup>nd</sup>) and 56.67 (ranks 33<sup>rd</sup>). Croatia shows strength in Freshwater and Economic Development, both earning 7<sup>th</sup> place with scores of 63.08 and 70.70. However, the country falls short in the Ocean theme, where it ranks 33<sup>rd</sup> with a score of 60.24. Liberia shines in Land and Atmosphere themes, ranking 1<sup>st</sup> with a score of 81.99 and 6<sup>th</sup> with a score of 70.41. On the other hand, its performance is less impressive in Freshwater and Social Development, where it scores 34.14 (39<sup>th</sup> place) and 55.39 (35<sup>th</sup> place). Albania's strengths are evident in Biodiversity, with a score of

48.84 (3<sup>rd</sup> place), and Social Development, scoring 70.74 (6<sup>th</sup> place). However, it faces challenges in Economic Development, where it ranks 30<sup>th</sup> with a score of 53.09. Costa Rica excels in Biodiversity, achieving 5<sup>th</sup> place with a score of 47.21. However, it underperforms in Social Development, where it ranks 25<sup>th</sup> with a score of 58.36. Timor-Leste shows strong results in Atmosphere and Land, both securing 3<sup>rd</sup> place with scores of 77.46 and 73.77. However, the country struggles in Freshwater and Biodiversity, ranking 47<sup>th</sup> with a score of 27.32 and 36<sup>th</sup> with a score of 33.41.



**Figure 3: Performance graph by theme for the top 10 countries**

## **2.2 Scores and Rankings by Theme**

The scores and rankings by theme in the capacity assessment of sustainable coastal development for countries along the MSR are listed in Table 2 (for detailed indicator scores, see Table 3).



**Table 2: Sustainable coastal development capacity scores and rankings by theme for countries along the MSR**

COUNTRY	ATMOSPHERE	RANKING	LAND	RANKING	OCEAN	RANKING	FRESHWATER	RANKING	BIODIVERSITY	RANKING	SOCIAL DEVELOPMENT	RANKING	ECONOMIC DEVELOPMENT	RANKING
Greece	49.21	34	52.85	24	67.74	10	76.05	1	41.37	10	71.71	5	91.75	1
Brunei	55.60	25	75.76	2	62.38	27	73.01	2	38.52	23	57.72	28	87.15	2
Singapore	47.98	38	44.12	44	72.26	4	69.85	5	38.82	22	86.18	1	84.35	3
Portugal	48.07	37	56.14	17	76.74	2	71.62	3	40.70	13	75.55	3	49.40	35
Chile	64.52	10	52.26	25	60.87	32	71.51	4	45.99	6	56.67	33	66.33	10
Croatia	51.37	29	53.14	23	60.24	33	63.08	7	37.02	28	69.85	9	70.70	7
Liberia	70.41	6	81.99	1	64.72	20	34.14	39	36.74	29	55.39	35	61.48	15
Albania	55.72	24	56.79	14	66.23	15	52.64	14	48.84	3	70.74	6	53.09	30
Costa Rica	63.54	11	57.68	13	65.20	18	50.04	21	47.21	5	58.36	25	59.94	18
East Timor	77.46	3	73.77	3	64.69	21	27.32	47	33.41	36	64.71	15	60.53	17
Namibia	68.73	8	59.19	12	68.94	8	32.41	41	58.11	2	35.78	48	77.84	4
Uruguay	64.56	9	51.36	29	67.54	11	53.80	12	42.58	8	64.18	17	56.62	23
South Korea	33.29	45	42.66	45	64.49	24	67.65	6	31.45	37	78.29	2	66.32	11
Cambodia	60.08	18	63.56	7	66.39	13	42.81	30	39.39	17	57.93	27	52.82	31

Venezuela	59.02	20	67.93	4	65.23	17	45.07	27	39.76	15	62.19	21	42.43	46
Thailand	49.93	31	56.28	16	61.22	30	48.46	24	35.12	33	68.83	10	61.39	16
Ecuador	61.24	14	54.92	20	61.44	29	52.74	13	28.81	40	65.28	13	55.67	25
United Arab Emirates	28.35	47	46.41	41	75.16	3	55.86	9	38.82	21	72.24	4	59.35	19
Saudi Arabia	32.93	46	51.52	28	69.60	7	52.24	16	39.80	14	63.02	19	66.86	9
Sri Lanka	58.49	21	50.45	33	63.24	26	45.00	28	23.38	48	65.64	11	68.72	8
Turkey	47.57	39	50.59	32	64.85	19	54.74	11	35.91	31	64.82	14	54.58	27
Qatar	25.18	48	48.53	36	77.17	1	57.98	8	37.99	25	63.59	18	61.87	14
Bulgaria	51.58	28	46.77	40	57.45	39	52.52	15	41.28	11	64.33	16	57.36	22
Oman	39.28	43	40.45	47	69.65	6	50.73	19	41.27	12	52.21	40	77.45	5
Malaysia	49.72	33	56.12	18	65.28	16	50.98	17	29.11	39	55.70	34	62.57	13
El Salvador	59.75	19	51.83	26	57.43	40	46.07	25	34.80	34	70.44	7	49.15	36
Peru	61.71	13	47.82	37	61.09	31	49.46	23	39.26	18	56.68	32	51.12	32
Nigeria	53.55	26	59.76	10	67.33	12	34.51	38	48.22	4	52.20	41	50.61	33
Vietnam	49.87	32	50.73	31	53.36	46	50.84	18	25.19	46	69.85	8	64.38	12
Myanmar	63.10	12	59.93	9	55.31	43	42.29	32	35.42	32	52.27	39	54.09	29
Senegal	51.93	27	53.47	22	58.82	37	36.04	37	59.20	1	60.88	22	41.58	47
Indonesia	60.50	17	61.64	8	51.07	49	42.19	33	27.23	44	57.50	30	59.33	20
Algeria	48.89	35	49.36	34	64.69	22	49.79	22	38.19	24	56.94	31	47.88	38
Mozambique	77.06	4	64.70	6	60.23	34	31.27	43	27.84	43	47.60	43	42.52	45
Tanzania	78.46	2	59.55	11	59.98	35	28.48	46	22.30	49	58.03	26	43.57	42
Kuwait	14.02	49	38.25	49	70.02	5	55.19	10	39.09	19	58.68	24	74.09	6

Lebanon	41.08	42	41.44	46	58.74	38	42.31	31	38.89	20	65.41	12	59.10	21
Philippines	61.16	15	54.73	21	51.92	48	45.40	26	23.62	47	62.62	20	47.02	39
Kenya	70.97	5	55.47	19	64.55	23	27.26	48	25.61	45	53.13	38	48.18	37
Bangladesh	47.15	41	47.74	38	56.65	41	39.76	35	37.21	27	60.24	23	55.28	26
South Africa	60.78	16	56.78	15	53.58	45	33.63	40	39.46	16	50.71	42	43.26	43
Iran	38.19	44	49.16	35	66.34	14	50.47	20	28.80	41	45.76	44	56.18	24
Morocco	48.13	36	46.95	39	59.80	36	44.42	29	34.44	35	57.71	29	43.21	44
Egypt	47.46	40	39.07	48	52.79	47	42.17	34	42.26	9	54.36	37	54.39	28
Somalia	84.71	1	67.47	5	62.22	28	21.61	49	36.30	30	38.47	46	18.02	49
Sudan	69.80	7	51.55	27	56.09	42	30.65	45	42.80	7	32.33	49	44.71	40
Djibouti	58.08	22	46.15	42	68.28	9	32.28	42	28.15	42	44.45	45	50.25	34
Yemen	57.76	23	50.99	30	63.78	25	37.59	36	30.04	38	37.01	47	43.83	41
Pakistan	50.67	30	44.63	43	53.91	44	31.16	44	37.81	26	55.16	36	39.76	48

### 2.3 Subtheme Scores

The subtheme scores for the capacity assessment of sustainable coastal development in countries along the MSR are provided in Table 3.

**Table 3: Sustainable coastal development capacity scores by subthemes for countries along the MSR**

COUNTRY	ATMOSPHERE		LAND			OCEAN			FRESHWATER		BIODIVERSITY		SOCIAL DEVELOPMENT					ECONOMIC DEVELOPMENT	
	GREENHOUSE GAS	AIR QUALITY	AGRICULTURE	LAND USE	VEGETATIVE COVER	FISHERIES	MARINE ENVIRONMENT	NATURAL HAZARDS	WATER QUANTITY	WATER QUALITY	SPECIES	ECOSYSTEM	POPULATION LEVEL	LEVEL OF INFRASTRUCTURE DEVELOPMENT	INCOME EQUALITY	STANDARD OF LIVING	GENDER EQUALITY	ECONOMIC PERFORMANCE	ECONOMIC STRUCTURE
Greece	43.11	55.31	38.08	54.72	65.75	69.13	52.14	81.94	57.10	95.00	61.54	21.21	46.25	69.91	66.60	80.76	95.00	88.50	95.00
Brunei	32.90	78.30	67.10	65.18	95.00	53.09	53.51	80.54	65.24	80.78	54.00	23.04	46.67	44.09	82.20	75.14	40.51	91.99	82.31
Singapore	25.38	70.58	49.01	16.79	66.56	76.22	63.96	76.60	48.26	91.45	57.91	19.73	95.00	95.00	71.38	94.88	74.66	95.00	73.70
Portugal	43.12	53.03	58.77	44.90	64.75	71.49	67.32	91.40	52.83	90.41	54.46	26.94	52.37	72.78	74.63	82.97	95.00	88.47	10.33
Chile	60.35	68.70	36.93	65.28	54.57	66.55	61.35	54.71	66.50	76.53	45.83	46.15	49.92	24.32	57.64	79.74	71.75	84.91	47.75
Croatia	42.84	59.90	30.75	60.18	68.48	66.37	40.28	74.08	51.02	75.14	51.62	22.41	41.97	64.15	80.20	75.19	87.74	86.48	54.92
Liberia	75.48	65.34	73.94	81.10	90.94	64.16	36.35	93.65	49.48	18.81	57.17	16.31	47.86	56.53	78.25	21.12	73.21	59.53	63.43

Albania	54.05	57.39	57.97	49.32	63.08	42.63	77.88	78.17	40.36	64.92	80.95	16.72	48.73	76.41	73.42	70.29	84.83	82.21	23.97
Costa Rica	45.60	81.48	35.55	45.71	91.79	74.44	56.45	64.71	41.45	58.64	51.93	42.50	36.89	59.48	50.01	66.38	79.02	78.41	41.47
East Timor	74.93	79.99	84.38	51.04	85.89	68.47	45.14	80.47	22.13	32.51	52.61	14.21	49.95	72.56	88.93	33.10	79.02	82.94	38.13
Namibia	64.17	73.29	82.92	82.71	11.95	45.66	67.42	93.75	44.96	19.86	62.81	53.41	10.00	24.55	26.72	45.85	71.75	82.96	72.71
Uruguay	54.73	74.39	32.35	47.52	74.21	75.06	56.37	71.21	38.27	69.33	49.83	35.32	35.19	65.71	63.70	74.38	81.92	84.85	28.39
South Korea	26.62	39.95	39.42	35.79	52.77	76.67	52.33	64.45	52.75	82.55	41.59	21.31	64.60	70.21	84.66	90.80	81.20	88.60	44.04
Cambodia	45.57	74.58	45.00	55.82	89.87	71.58	51.40	76.20	47.05	38.57	47.17	31.61	40.18	47.98	80.65	47.65	73.21	71.44	34.21
Venezuela	50.82	67.22	64.21	57.47	82.12	72.71	51.01	71.96	45.78	44.37	46.03	33.48	49.16	54.75	61.67	67.78	77.56	56.83	28.03
Thailand	43.21	56.65	40.46	41.18	87.22	67.80	43.02	72.84	54.79	42.12	49.64	20.60	57.96	62.81	81.60	72.21	69.57	81.03	41.75
Ecuador	53.58	68.90	41.20	42.51	81.05	65.29	52.48	66.55	45.20	60.29	31.67	25.95	51.92	62.73	63.48	65.60	82.65	74.84	36.50
United Arab Emirates	23.11	33.58	52.08	74.85	12.32	90.52	54.25	80.70	48.45	63.27	53.47	24.17	53.74	58.96	90.79	83.04	74.66	92.15	26.56
Saudi Arabia	33.92	31.94	66.37	75.46	12.73	68.93	66.21	73.68	46.61	57.87	59.01	20.58	46.07	43.47	78.83	74.94	71.75	89.76	43.95
Sri Lanka	59.74	57.24	30.12	36.09	85.13	64.52	42.60	82.60	41.65	48.35	23.73	23.03	61.16	75.52	70.36	69.04	52.14	79.85	57.58
Turkey	37.87	57.28	40.34	55.18	56.26	72.97	52.61	68.96	52.60	56.88	59.83	11.99	51.17	70.22	58.44	69.64	74.66	87.76	21.41
Qatar	23.80	26.55	61.82	73.77	10.00	91.09	46.17	94.24	48.00	67.95	53.00	22.97	56.44	68.75	95.00	84.83	12.91	88.79	34.96
Bulgaria	46.60	56.56	33.87	45.39	61.05	36.18	55.18	80.98	36.86	68.17	62.52	20.05	42.20	57.38	69.43	68.56	84.10	88.24	26.47
Oman	32.06	46.50	36.89	70.61	13.85	80.24	43.10	85.60	43.08	58.37	50.92	31.63	37.05	45.18	90.85	67.80	20.17	88.76	66.15
Malaysia	36.19	63.25	15.72	58.21	94.43	68.59	51.09	76.16	54.11	47.86	37.31	20.91	54.64	48.73	69.44	68.81	36.88	86.16	38.98
El Salvador	54.86	64.63	38.84	33.38	83.27	27.05	68.77	76.48	44.30	47.83	50.82	18.79	60.88	74.32	73.59	61.46	81.92	67.07	31.23
Peru	55.45	67.97	50.28	69.98	23.20	83.36	45.62	54.30	44.86	54.07	48.95	29.56	50.16	10.00	70.46	63.61	89.19	59.42	42.82
Nigeria	56.66	50.44	51.35	51.23	76.70	80.77	31.98	89.23	54.36	14.66	54.87	41.57	69.83	48.07	77.32	10.00	55.77	75.93	25.29
Vietnam	44.73	55.01	30.25	39.79	82.15	65.43	41.88	52.78	49.90	51.78	30.43	19.96	62.95	65.03	78.43	61.64	81.20	73.60	55.17

Myanmar	60.74	65.47	44.51	51.53	83.76	69.52	29.22	67.18	50.17	34.41	50.10	20.74	53.20	46.58	84.52	30.00	47.05	64.85	43.33
Senegal	58.56	45.30	58.95	58.44	43.03	56.44	32.86	87.17	44.85	27.24	69.29	49.12	60.81	68.51	74.24	44.34	56.50	60.57	22.59
Indonesia	49.92	71.09	34.30	57.94	92.68	67.36	43.80	42.05	54.65	29.74	35.70	18.75	56.51	52.06	74.12	51.21	53.59	77.28	41.37
Algeria	42.18	55.61	57.39	46.95	43.73	65.20	37.06	91.81	42.22	57.36	63.12	13.25	58.96	51.22	68.39	60.53	45.60	69.66	26.09
Mozambique	73.62	80.49	64.05	56.46	73.58	71.71	48.38	60.61	41.71	20.82	33.04	22.64	45.23	42.22	56.74	19.16	74.66	54.97	30.06
Tanzania	69.09	87.83	58.63	48.35	71.68	84.75	24.45	70.73	36.01	20.94	25.70	18.91	52.70	38.27	71.90	54.06	73.21	59.43	27.72
Kuwait	18.04	10.00	34.70	68.92	11.14	67.13	49.25	93.70	41.80	68.57	57.18	20.99	57.34	45.79	88.88	78.32	23.08	93.18	54.99
Lebanon	40.19	41.98	42.66	43.44	38.22	54.21	44.75	77.28	32.31	52.31	66.30	11.48	63.92	73.91	70.03	72.13	47.05	76.24	41.96
Philippines	54.57	67.75	23.02	50.24	90.93	65.43	41.58	48.75	52.56	38.25	31.00	16.24	62.74	57.95	71.97	50.13	70.30	73.01	21.03
Kenya	66.13	75.81	48.14	62.98	55.29	76.82	35.71	81.12	33.34	21.19	35.19	16.04	48.51	47.25	69.81	23.97	76.11	70.56	25.80
Bangladesh	53.20	41.09	31.34	33.73	78.14	70.66	21.80	77.48	48.31	31.20	41.58	32.84	69.81	71.85	81.09	42.29	36.15	68.43	42.14
South Africa	49.94	71.62	43.90	57.65	68.78	61.77	30.50	68.46	42.85	24.41	46.87	32.04	45.74	62.73	10.00	53.91	81.20	75.76	10.77
Iran	35.90	40.49	54.62	70.17	22.71	70.23	62.90	65.89	37.96	62.98	39.79	17.80	44.62	42.73	62.17	64.19	15.09	85.35	27.02
Morocco	51.56	44.69	50.77	68.07	22.01	53.33	39.05	87.02	42.24	46.60	48.27	20.62	48.67	45.86	67.40	59.97	66.67	72.01	14.41
Egypt	49.85	45.07	29.45	70.89	16.88	51.68	28.65	78.03	33.38	50.96	65.44	19.07	55.63	48.65	77.81	52.08	37.61	74.45	34.33
Somalia	95.00	74.43	87.44	84.58	30.39	76.77	48.40	61.49	33.23	10.00	58.75	13.84	37.72	55.66	52.16	13.59	33.25	10.00	26.05
Sudan	84.29	55.30	70.51	72.17	11.98	56.30	30.82	81.15	22.62	38.67	66.46	19.14	30.90	28.72	58.17	27.35	16.54	67.58	21.84
Djibouti	66.12	50.04	46.39	77.40	14.67	72.08	42.57	90.17	38.85	25.72	43.86	12.45	30.97	54.26	34.80	40.61	61.58	77.22	23.27
Yemen	70.39	45.13	63.06	71.07	18.85	82.37	39.72	69.25	35.85	39.33	45.51	14.56	49.38	45.93	52.36	27.36	10.00	61.38	26.27
Pakistan	55.67	45.68	48.48	68.72	16.69	85.80	37.25	38.67	35.42	26.91	50.47	25.16	62.70	42.89	82.08	44.72	43.42	69.51	10.00



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