

Chapter 83

Report on the Global Environment

Competitiveness of Lesotho

Lesotho is located in Southern Africa, surrounded by South Africa. It is subtropical steppe climate. It is poor in natural resources, and the economic foundation is weak. It covers 30 thousand square kilometres. It had a population of 2.2 million and domestic production the gross (GDP) of USD 24 billion in 2011. Through the evaluation of global environment competitiveness, we can know that the environment competitiveness index of Lesotho ranks at 132 in 133 countries.

Score: 35.72
Rank: 132

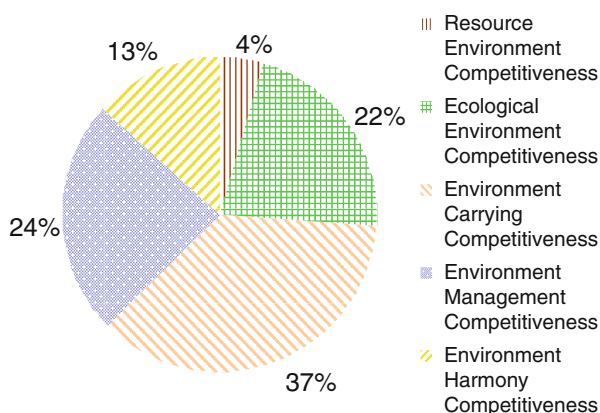


Fig. 83.1 Contribution of sub-index of GEC

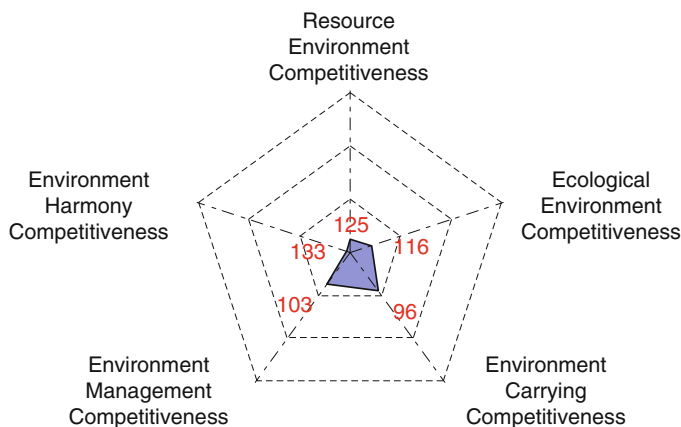


Fig. 83.2 Rank of sub-index of GEC

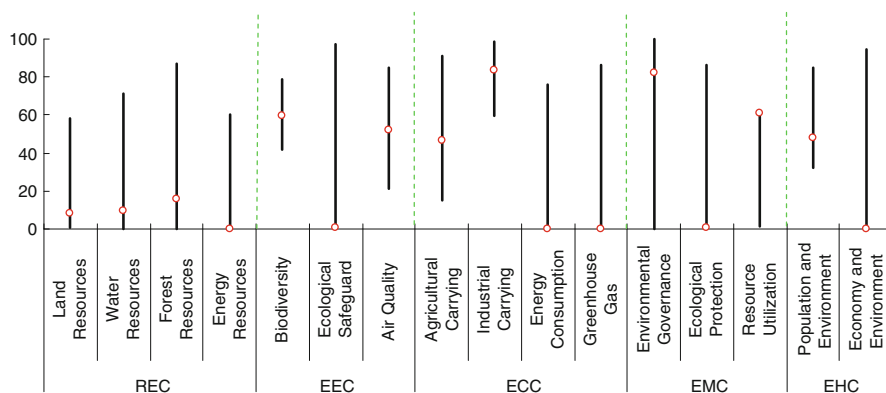


Fig. 83.3 Score and rank of the pillars of GEC

Table 83.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	7.73	125	Groundwater	2.33	100
1.1 Land Resources	8.08	98	Total internal renewable water resources	8.69	84
Land area per capita	2.47	64	1.3 Forest Resources	15.73	116
Percentage of arable land to total land area	17.08	77	Growing stock in forest and other wooded land	50.01	118
Arable land per capita	6.57	78	Proportion of land area covered by forest	1.71	119
1.2 Water Resources	9.90	93	Forest area per capita	0.14	122
Surface water	1.86	93	1.4 Energy Resources	0.00	125
Annual precipitation	26.71	69			

(continued)

Table 83.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Fossil energy	0.00	64	3.3 Energy Consumption	N/A	N/A
Energy production	N/A	N/A	Energy consumption per unit of land area	N/A	N/A
Proportion of combustible renewables and waste to total energy consumption	N/A	N/A	Ratio of clean energy consumption	0.00	116
Net energy imports of the energy consumption	N/A	N/A	Elasticity of energy consumption	N/A	N/A
2 Ecological Environment Competitiveness	38.98	116	Elasticity of electric power consumption	N/A	N/A
2.1 Biodiversity	59.76	19	3.4 Greenhouse Gas	N/A	N/A
Threatened fish species	99.53	3	Growth rate of CO ₂ emissions	N/A	N/A
Threatened mammal species	98.91	6	Growth rate of Methane emissions	N/A	N/A
Threatened plant species	99.77	43	CO ₂ emissions per unit of land area	N/A	N/A
GEF benefits index for biodiversity	0.30	105	CO ₂ emissions per unit of energy consumption	N/A	N/A
2.2 Ecological Safeguard	0.65	127	4 Environment Management Competitiveness	43.08	103
Terrestrial protected areas	1.09	124	4.1 Environmental Governance	82.00	85
Marine protected areas	N/A	N/A	Agricultural chemicals regulation	N/A	N/A
2.3 Air Quality	52.15	86	Percentage of the rural population with access to an improved water source	73.00	87
Inhalable particles (PM10)	72.26	84	Percentage of the urban population with access to an improved water source	91.00	106
Particulate matter (PM2.5)	90.12	32	4.2 Ecological Protection	0.61	132
Index of indoor air pollution	5.00	105	Area of plantation and afforestation	0.01	112
Nitrogen oxides emission	69.00	2	Biome protect	1.40	130
Sulfur dioxide emission	N/A	N/A	Overfishing of fishing resources	N/A	N/A
3 Environment Carrying Competitiveness	65.00	96	4.3 Resource Utilization	60.80	3
3.1 Agricultural Carrying	46.30	129	Utilization rate of water resources	0.06	99
Cereal yield per unit of arable land	6.05	122	Percentage of total internal renewable water resources to total water resources	91.27	12
Fertilizer consumption per unit of arable land	N/A	N/A	Percentage of agricultural land to total land area	91.06	6
Annual freshwater withdrawals for agriculture per unit of arable land	99.96	14	Percentage of fossil fuel energy consumption to total energy consumption	N/A	N/A
3.2 Industrial Carrying	83.70	115			
Net exports as a percentage of GDP	70.35	98			
Electric power consumption per unit of value added of industry	N/A	N/A			
SO ₂ emissions per unit of value added of industry	N/A	N/A			
Annual freshwater withdrawals for industry per value added of industry	97.05	69			

(continued)

Table 83.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
5 Environment Harmony Competitiveness	23.81	133	CO ₂ emissions (metric tons per capita)	N/A	N/A
5.1 Population and Environment	47.61	130	Energy consumption per capita	N/A	N/A
Improved sanitation facilities (% of population with access)	29.00	115	5.2 Economy and Environment	0.02	133
Motor vehicles (per 1,000 people)	99.75	4	Land resource utilization efficiency	0.02	99
Renewable internal freshwater resources per capita	2.88	73	Sulfur dioxide emissions per unit of GDP	N/A	N/A
SO ₂ emissions (metric tons per capita)	N/A	N/A	Carbon dioxide emissions per unit of GDP	N/A	N/A
			Energy consumption per unit of GDP	N/A	N/A

Table 83.2 Rank distribution of the individual indicators of GEC

Sub-index	Number of the individual indicators	Rank	Rank	Rank	Rank	Rank
		1–10	11–30	31–60	61–100	101–133
Resource Environment Competitiveness	14	0	0	0	8	4
Ecological Environment Competitiveness	11	3	1	2	2	3
Environment Carrying Competitiveness	15	0	0	0	1	4
Environment Management Competitiveness	10	2	1	0	3	3
Environment Harmony Competitiveness	10	1	0	0	2	3
Total	60	6	2	2	16	17

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