

Chapter 56

Report on Global Environment

Competitiveness of Gabon

Gabon is on the west coast of Central Africa. Gabon is bordered by Equatorial Guinea to the northwest, Cameroon to the north, the Republic of the Congo on the east and south, and the Atlantic Ocean's Gulf of Guinea to the west. It covers 257.7 thousand of square kilometers and has a population of 1.53 million. Its GDP reaches \$17.05 billion in 2011. Through the index system and evaluation model, the environment competitiveness index of Gabon ranks at 19 in 133 countries.

Score:
54.95
Rank:
19

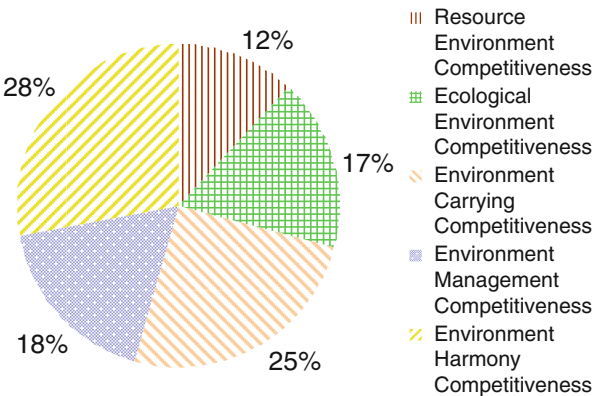


Fig. 56.1 Contribution of sub-index to GEC

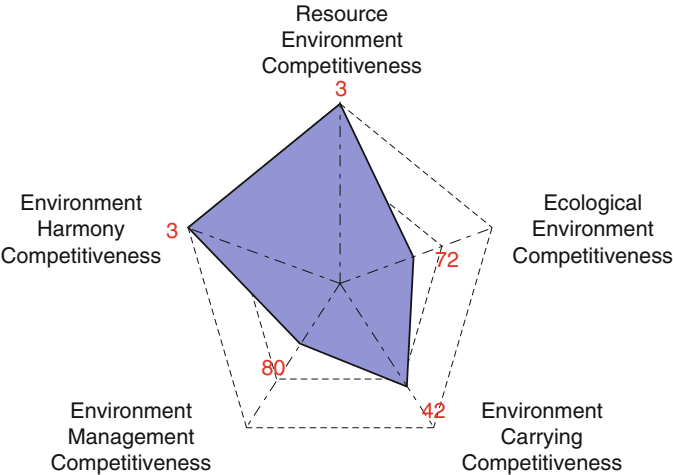


Fig. 56.2 Rank of sub-index of GEC

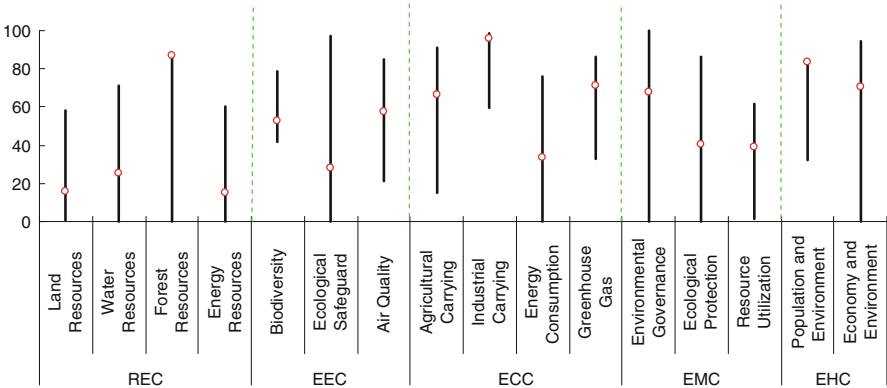


Fig. 56.3 Score and rank of the pillars of GEC

Table 56.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	32.54	3	Groundwater	21.77	34
1.1 Land Resources	15.67	47	Total internal renewable water resources	19.47	53
Land area per capita	30.25	8	1.3 Forest Resources	87.06	1
Percentage of arable land to total land area	1.97	123	Growing stock in forest and other wooded land	56.87	24
Arable land per capita	9.91	62	Proportion of land area covered by forest	100.00	1
1.2 Water Resources	25.06	41	Forest area per capita	100.00	1
Surface water	6.79	47	1.4 Energy Resources	14.90	31
Annual precipitation	52.23	33			

(continued)

Table 56.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Fossil energy	6.49	16	Annual freshwater withdrawals for industry per value added of industry	99.93	8
Energy production	9.60	12	3.3 Energy Consumption	33.22	67
Proportion of combustible renewable and waste to total energy consumption	26.10	35	Energy consumption per unit of land area	99.99	8
Net energy imports of the energy consumption	29.19	18	Ratio of clean energy consumption	7.25	61
2 Ecological Environment Competitiveness	47.29	72	Elasticity of energy consumption	13.95	63
2.1 Biodiversity	52.52	122	Elasticity of electric power consumption	11.69	35
Threatened fish species	71.23	112	3.4 Greenhouse Gas	71.55	16
Threatened mammal species	92.39	81	Growth rate of CO ₂ emissions	44.47	92
Threatened plant species	93.00	111	Growth rate of Methane emissions	100.00	1
GEF benefits index for biodiversity	3.00	63	CO ₂ emissions per unit of land area	99.99	16
2.2 Ecological Safeguard	28.28	52	CO ₂ emissions per unit of energy consumption	68.80	26
Terrestrial protected areas	40.76	44	4 Environment Management Competitiveness	48.44	80
Marine protected areas	9.56	28	4.1 Environmental Governance	68.00	108
2.3 Air Quality	57.63	69	Agricultural chemicals regulation	N/A	N/A
Inhalable particles (PM10)	94.89	3	Percentage of the rural population with access to an improved water source	41.00	114
Particulate matter (PM2.5)	82.51	80	Percentage of the urban population with access to an improved water source	95.00	93
Index of indoor air pollution	18.90	80	4.2 Ecological Protection	40.74	41
Nitrogen oxides emission	68.91	9	Area of plantation and afforestation	0.04	101
Sulfur dioxide emission	40.95	15	Biome protect	89.40	26
3 Environment Carrying Competitiveness	69.51	42	Overfishing of fishing resources	46.34	61
3.1 Agricultural Carrying	66.15	71	4.3 Resource Utilization	39.15	57
Cereal yield per unit of arable land	15.91	94	Utilization rate of water resources	0.00	132
Fertilizer consumption per unit of arable land	99.51	19	Percentage of total internal renewable water resources to total water resources	73.21	53
Annual freshwater withdrawals for agriculture per unit of arable land	99.77	37			
3.2 Industrial Carrying	95.73	11			
Net exports of goods as a percentage of GDP	83.30	55			
Electric power consumption per unit of value added of industry	99.70	5			
SO ₂ emissions per unit of value added of industry	99.97	18			

(continued)

Table 56.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Percentage of agricultural land to total land area	23.58	113	Renewable internal freshwater resources per capita	100.00	2
Percentage of fossil fuel energy consumption to total energy consumption	59.80	24	SO ₂ emissions per capita	95.68	66
			CO ₂ emissions per capita	95.33	51
			Energy consumption per capita	89.92	64
5 Environment Harmony Competitiveness	76.94	3	5.2 Economy and Environment	70.44	26
5.1 Population and Environment	83.44	4	Land resource utilization efficiency	0.02	107
Percentage of population with access to Improved sanitation facilities	33.00	108	Sulfur dioxide emissions per unit of GDP	96.33	53
			Carbon dioxide emissions per unit of GDP	94.60	19
Motor vehicles per 1,000 people	98.52	16	Energy consumption per unit of GDP	90.82	40

Table 56.2 Rank distribution of the individual indicators of GEC

Sub-index	Number of the individual indicators	Rank 1–10	Rank 11–30	Rank 31–60	Rank 61–100	Rank 101–133
Resource Environment Competitiveness	14	3	3	7	0	1
Ecological Environment Competitiveness	11	2	0	2	4	3
Environment Carrying Competitiveness	15	3	5	1	6	0
Environment Management Competitiveness	10	0	1	3	0	5
Environment Harmony Competitiveness	10	2	3	2	1	2
Total	60	10	12	15	11	11

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