

Chapter 148

Report on Global Environment

Competitiveness of Zimbabwe

Zimbabwe is located in southeastern Africa inland. It adjacent to Zambia. To the east of Zimbabwe borders all and adjacent Mozambique, southwest Botswana, south exit is a part and South Africa. It covers 386.9 thousand of square kilometers and has a population of 12.75 million. Its GDP reaches \$9.66 billion in 2011. Through the index system and evaluation model, the environment competitiveness index of Zimbabwe ranks at 78 in 133 countries.

Score:
48.99
Rank:
78

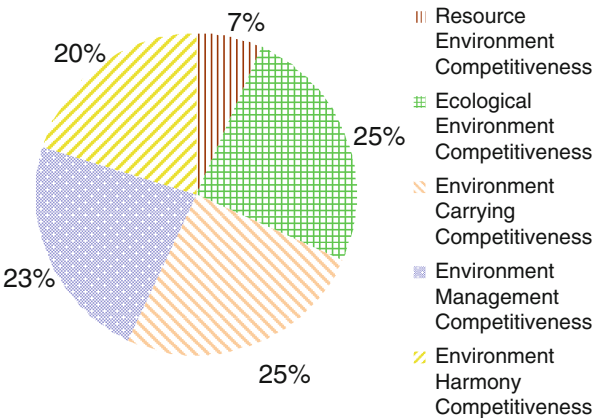


Fig. 148.1 Contribution of sub-index to GEC

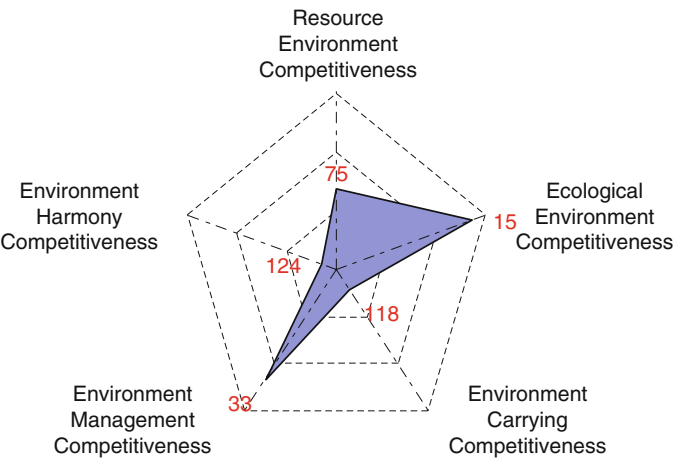


Fig. 148.2 Rank of sub-index of GEC

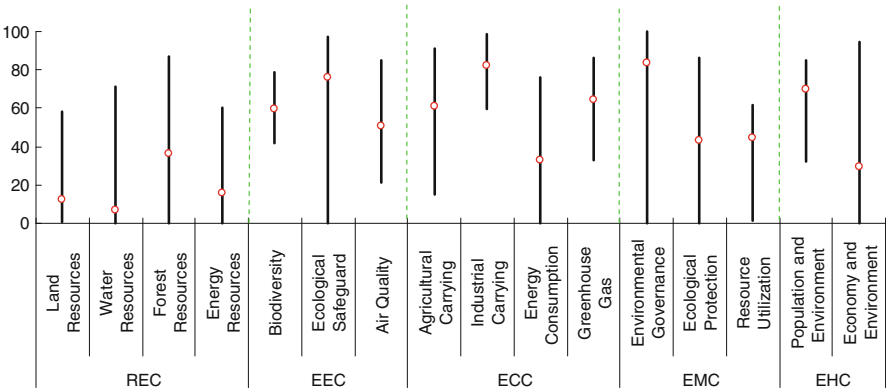


Fig. 148.3 Score and rank of the pillars of GEC

Table 148.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	16.56	75	Total internal renewable water resources	1.60	112
1.1 Land Resources	12.05	70	1.3 Forest Resources	36.58	37
Land area per capita	5.44	35	Growing stock in forest and other wooded land	51.81	57
Percentage of arable land to total land area	17.85	75	Proportion of land area covered by forest	46.31	37
Arable land per capita	15.05	30	Forest area per capita	8.36	24
1.2 Water Resources	6.71	102	1.4 Energy Resources	16.07	28
Surface water	0.53	111	Fossil energy	0.55	37
Annual precipitation	22.50	84	Energy production	0.69	72
Groundwater	2.19	103			

(continued)

Table 148.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Proportion of combustible renewable and waste to total energy consumption	69.83	15	Ratio of clean energy consumption	6.48	63
Net energy imports of the energy consumption	11.34	50	Elasticity of energy consumption	14.05	53
2 Ecological Environment Competitiveness	60.74	15	Elasticity of electric power consumption	11.40	40
2.1 Biodiversity	59.34	28	3.4 Greenhouse Gas	64.25	44
Threatened fish species	98.58	9	Growth rate of CO ₂ emissions	41.09	104
Threatened mammal species	95.11	49	Growth rate of Methane emissions	61.73	40
Threatened plant species	99.18	70	CO ₂ emissions per unit of land area	99.97	27
GEF benefits index for biodiversity	1.90	70	CO ₂ emissions per unit of energy consumption	77.38	17
2.2 Ecological Safeguard	75.82	5	4 Environment Management Competitiveness	55.54	33
Terrestrial protected areas	75.82	8	4.1 Environmental Governance	83.50	79
Marine protected areas	N/A	N/A	Agricultural chemicals regulation	N/A	N/A
2.3 Air Quality	50.48	94	Percentage of the rural population with access to an improved water source	69.00	91
Inhalable particles (PM10)	75.18	76	Percentage of the urban population with access to an improved water source	98.00	70
Particulate matter (PM2.5)	88.51	43	4.2 Ecological Protection	42.85	32
Index of indoor air pollution	4.90	106	Area of plantation and afforestation	0.14	79
Nitrogen oxides emission	67.71	70	Biome protect	99.80	15
Sulfur dioxide emission	40.76	55	Overfishing of fishing resources	N/A	N/A
3 Environment Carrying Competitiveness	62.34	118	4.3 Resource Utilization	44.49	32
3.1 Agricultural Carrying	60.66	114	Utilization rate of water resources	0.85	38
Cereal yield per unit of arable land	4.28	125	Percentage of total internal renewable water resources to total water resources	49.04	88
Fertilizer consumption per unit of arable land	97.74	44	Percentage of agricultural land to total land area	50.11	69
Annual freshwater withdrawals for agriculture per unit of arable land	98.77	66	Percentage of fossil fuel energy consumption to total energy consumption	77.94	13
3.2 Industrial Carrying	82.33	117	5 Environment Harmony Competitiveness	49.79	124
Net exports of goods as a percentage of GDP	74.92	89			
Electric power consumption per unit of value added of industry	65.68	122			
SO ₂ emissions per unit of value added of industry	99.21	115			
Annual freshwater withdrawals for industry per value added of industry	89.53	116			
3.3 Energy Consumption	32.97	69			
Energy consumption per unit of land area	99.95	25			

(continued)

Table 148.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
5.1 Population and Environment	69.80	69	Energy consumption per capita	95.08	42
Percentage of population with access to Improved sanitation facilities	44.00	105	5.2 Economy and Environment	29.79	126
Motor vehicles per 1,000 people	86.17	58	Land resource utilization efficiency	0.01	123
Renewable internal freshwater resources per capita	1.16	103	Sulfur dioxide emissions per unit of GDP	65.64	122
SO ₂ emissions per capita	97.34	49	Carbon dioxide emissions per unit of GDP	53.50	123
CO ₂ emissions per capita	98.15	29	Energy consumption per unit of GDP	0.00	126

Table 148.2 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	0	2	5	4	3
Ecological Environment Competitiveness	11	3	1	2	4	1
Environment Carrying Competitiveness	15	0	2	4	3	6
Environment Management Competitiveness	10	0	1	3	5	0
Environment Harmony Competitiveness	10	0	1	2	1	6
Total	60	3	7	16	17	16

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