

Chapter 19

Report on Global Environment

Competitiveness of Argentina

Argentina is a country in South America, bordered by Chile to the west and south, Bolivia and Paraguay to the north, and Brazil and Uruguay to the northeast. Its southeast coast is on the Atlantic Ocean. It crosses the subtropical and temperate region. And natural resources is rich. It covers 2,736.7 thousand square kilometres. It had a population of 40.76 million and domestic production the gross (GDP) of USD 446.04 billion in 2011. Through the evaluation of global environment competitiveness, we can know that the environment competitiveness index of Argentina ranks at 66 among 133 countries.

Score: 49.88
Rank: 66

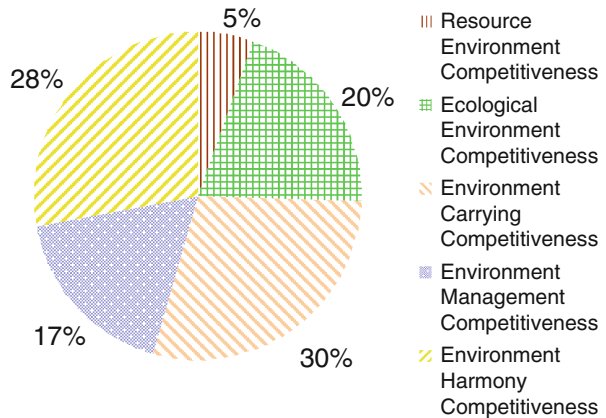


Fig. 19.1 Contribution of sub-index to GEC

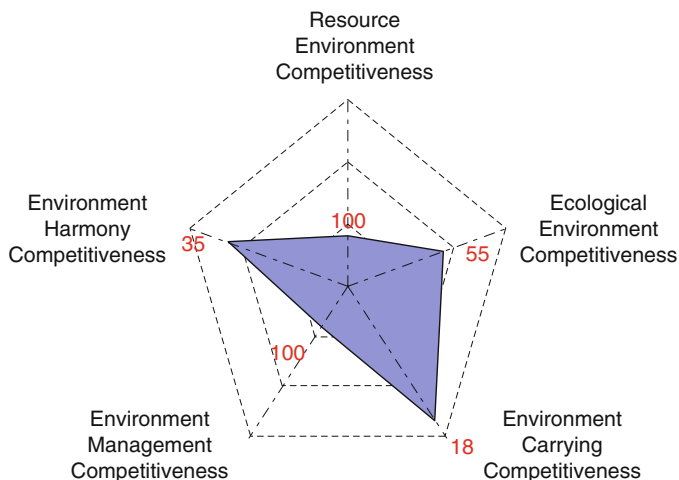


Fig. 19.2 Rank of sub-index of GEC

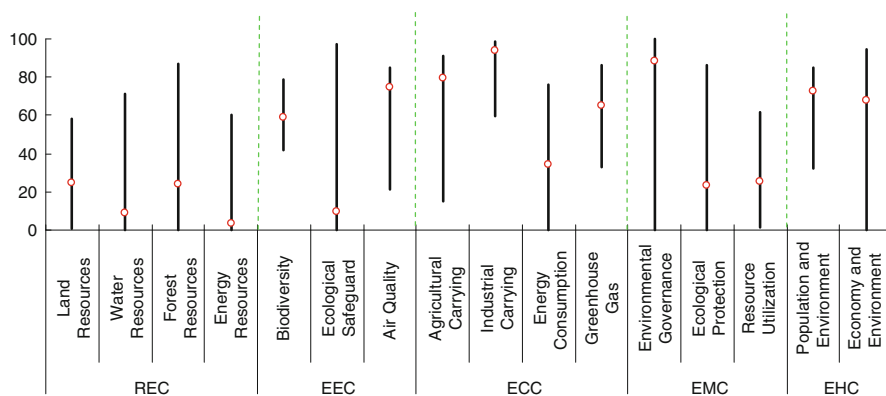


Fig. 19.3 Score and rank of the pillars of GEC

Table 19.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	13.52	100	Annual precipitation	20.36	93
1.1 Land Resources	24.98	17	Groundwater	6.70	77
Land area per capita	12.08	19	Total internal renewable water resources	5.09	93
Percentage of arable land to total land area	23.47	62	1.3 Forest Resources	24.15	84
Arable land per capita	43.70	4	Growing stock in forest and other wooded land	58.88	18
1.2 Water Resources	8.84	99	Proportion of land area covered by forest	12.48	96
Surface water	3.21	70			

(continued)

Table 19.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Forest area per capita	4.99	33	3.3 Energy Consumption	34.07	60
1.4 Energy Resources	3.46	89	Energy consumption per unit of land area	99.95	27
Fossil energy	0.15	54	Ratio of clean energy consumption	11.58	49
Energy production	1.97	36	Elasticity of energy consumption	14.17	44
Proportion of combustible renewable and waste to total energy consumption	3.57	92	Elasticity of electric power consumption	10.58	76
Net energy imports of the energy consumption	13.41	42	3.4 Greenhouse Gas	65.01	43
2 Ecological Environment Competitiveness	50.33	55	Growth rate of CO ₂ emissions	54.59	52
2.1 Biodiversity	59.05	32	Growth rate of Methane emissions	77.15	4
Threatened fish species	82.55	88	CO ₂ emissions per unit of land area	99.93	44
Threatened mammal species	79.35	117	CO ₂ emissions per unit of energy consumption	38.79	76
Threatened plant species	97.96	91	4 Environment Management Competitiveness	43.48	100
GEF benefits index for biodiversity	17.70	20	4.1 Environmental Governance	88.26	67
2.2 Ecological Safeguard	9.34	101	Agricultural chemicals regulation	80.95	53
Terrestrial protected areas	14.67	94	Percentage of the rural population with access to an improved water source	N/A	N/A
Marine protected areas	1.33	72	Percentage of the urban population with access to an improved water source	98.00	70
2.3 Air Quality	74.52	40	4.2 Ecological Protection	23.30	97
Inhalable particles (PM10)	58.39	106	Area of plantation and afforestation	1.81	31
Particulate matter (PM2.5)	90.03	34	Biome protect	29.10	99
Index of indoor air pollution	100.00	1	Overfishing of fishing resources	46.15	62
Nitrogen oxides emission	58.35	124	4.3 Resource Utilization	25.61	117
Sulfur dioxide emission	40.59	72	Utilization rate of water resources	0.16	83
3 Environment Carrying Competitiveness	71.98	18	Percentage of total internal renewable water resources to total water resources	29.30	108
3.1 Agricultural Carrying	79.74	11	Percentage of agricultural land to total land area	60.68	48
Cereal yield per unit of arable land	51.53	25	Percentage of fossil fuel energy consumption to total energy consumption	12.30	91
Fertilizer consumption per unit of arable land	97.95	41			
Annual freshwater withdrawals for agriculture per unit of arable land	99.14	58			
3.2 Industrial Carrying	94.15	28			
Net exports of goods as a percentage of GDP	88.18	29			
Electric power consumption per unit of value added of industry	92.20	62			
SO ₂ emissions per unit of value added of industry	99.97	25			
Annual freshwater withdrawals for industry per value added of industry	96.26	81			

(continued)

Table 19.1 (continued)

Indicators	Score	Rank	Indicators	Score	Rank
5 Environment Harmony Competitiveness	70.12	35	CO ₂ emissions per capita	88.68	78
5.1 Population and Environment	72.59	54	Energy consumption per capita	86.53	74
Percentage of population with access to Improved sanitation facilities	90.00	62	5.2 Economy and Environment	67.64	48
Motor vehicles per 1,000 people	61.48	94	Land resource utilization efficiency	0.05	91
Renewable internal freshwater resources per capita	8.19	44	Sulfur dioxide emissions per unit of GDP	98.88	20
SO ₂ emissions per capita	98.56	30	Carbon dioxide emissions per unit of GDP	84.09	77
			Energy consumption per unit of GDP	87.55	53

Table 19.2 Rank distribution of the individual indicators of GEC

Sub-index	Number of the individual indicators	Rank				
		Rank 1–10	Rank 11–30	Rank 31–60	Rank 61–100	Rank 101–133
Resource Environment Competitiveness	14	0	3	2	9	0
Ecological Environment Competitiveness	11	1	0	3	3	4
Environment Carrying Competitiveness	15	1	6	7	1	0
Environment Management Competitiveness	10	0	0	3	4	2
Environment Harmony Competitiveness	10	0	2	3	5	0
Total	60	2	11	18	22	6

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