

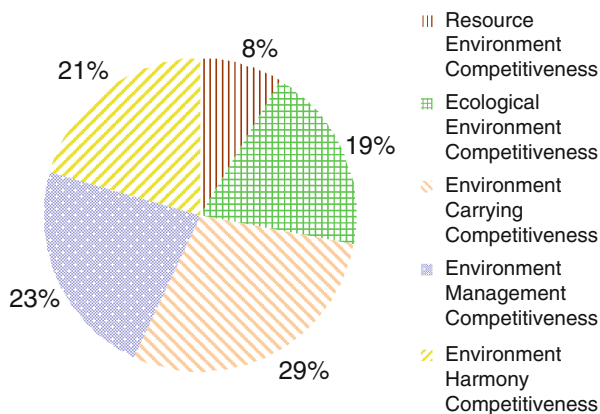
# Chapter 41

## Report on Global Environment

### Competitiveness of Cote d'Ivoire

Cote d'Ivoire is a country in West Africa. It borders the countries Liberia, Guinea, Mali, Burkina Faso and Ghana; its southern boundary is along the Gulf of Guinea. It covers 318.0 thousand of square kilometers and has a population of 20.15 million. Its GDP reaches \$24.07 billion in 2011. Through the index system and evaluation model, the environment competitiveness index of Cote d'Ivoire ranks at 102 in 133 countries.

<b>Score:</b>
<b>46.51</b>
<b>Rank:</b>
<b>102</b>



**Fig. 41.1** Contribution of sub-index to GEC

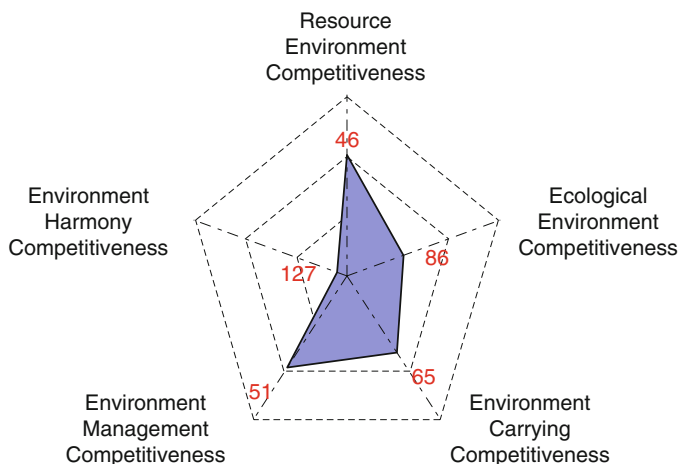


Fig. 41.2 Rank of sub-index of GEC

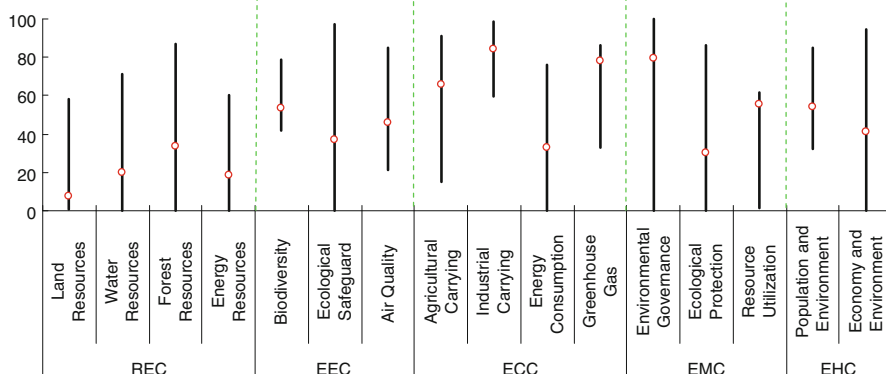


Fig. 41.3 Score and rank of the pillars of GEC

Table 41.1 Score and rank of all indicators of GEC

Indicators	Score	Rank	Indicators	Score	Rank
1 Resource Environment Competitiveness	19.73	46	Groundwater	17.11	46
1.1 Land Resources	7.75	103	Total internal renewable water resources	12.19	73
Land area per capita	2.82	55	1.3 Forest Resources	33.80	49
Percentage of arable land to total land area	15.34	84	Growing stock in forest and other wooded land	57.98	22
Arable land per capita	6.73	77	Proportion of land area covered by forest	38.31	53
1.2 Water Resources	19.58	53	Forest area per capita	3.60	51
Surface water	2.66	80	1.4 Energy Resources	18.49	20
Annual precipitation	46.35	40			

(continued)

**Table 41.1** (continued)

Indicators	Score	Rank	Indicators	Score	Rank
Fossil energy	0.00	64	Energy consumption per unit of land area	99.94	32
Energy production	0.53	79	Ratio of clean energy consumption	3.00	80
Proportion of combustible renewable and waste to total energy consumption	81.12	9	Elasticity of energy consumption	16.74	10
Net energy imports of the energy consumption	13.86	41	Elasticity of electric power consumption	11.31	42
<b>2 Ecological Environment Competitiveness</b>	<b>45.29</b>	<b>86</b>	3.4 Greenhouse Gas	78.18	6
2.1 Biodiversity	53.38	118	Growth rate of CO <sub>2</sub> emissions	78.92	4
threatened fish species	78.77	100	Growth rate of Methane emissions	46.78	122
threatened mammal species	87.50	102	CO <sub>2</sub> emissions per unit of land area	99.98	23
threatened plant species	93.82	106	CO <sub>2</sub> emissions per unit of energy consumption	86.29	10
GEF benefits index for biodiversity	3.40	58	<b>4 Environment Management Competitiveness</b>	<b>52.57</b>	<b>51</b>
2.2 Ecological Safeguard	36.68	28	4.1 Environmental Governance	79.50	87
Terrestrial protected areas	61.14	20	Agricultural chemicals regulation	N/A	N/A
Marine protected areas	0.00	90	Percentage of the rural population with access to an improved water source	68.00	92
2.3 Air Quality	45.67	110	Percentage of the urban population with access to an improved water source	91.00	106
Inhalable particles (PM10)	78.10	69	4.2 Ecological Protection	30.00	80
Particulate matter (PM2.5)	76.05	96	Area of plantation and afforestation	N/A	N/A
Index of indoor air pollution	2.20	117	Biome protect	100.00	1
Nitrogen oxides emission	67.44	78	Overfishing of fishing resources	N/A	N/A
Sulfur dioxide emission	27.11	127	4.3 Resource Utilization	55.74	6
<b>3 Environment Carrying Competitiveness</b>	<b>67.11</b>	<b>65</b>	Utilization rate of water resources	0.07	97
3.1 Agricultural Carrying	65.59	76	Percentage of total internal renewable water resources to total water resources	66.16	62
Cereal yield per unit of arable land	15.17	96	Percentage of agricultural land to total land area	75.46	22
Fertilizer consumption per unit of arable land	98.72	35	Percentage of fossil fuel energy consumption to total energy consumption	81.29	11
Annual freshwater withdrawals for agriculture per unit of arable land	99.69	38			
3.2 Industrial Carrying	84.15	114			
Net exports of goods as a percentage of GDP	70.96	96			
Electric power consumption per unit of value added of industry	94.82	38			
SO <sub>2</sub> emissions per unit of value added of industry	76.41	130			
Annual freshwater withdrawals for industry per value added of industry	94.41	94			
3.3 Energy Consumption	32.75	71			

(continued)

**Table 41.1** (continued)

Indicators	Score	Rank	Indicators	Score	Rank
5 Environment Harmony Competitiveness	47.85	127	CO <sub>2</sub> emissions per capita	99.25	19
5.1 Population and Environment	54.33	124	Energy consumption per capita	97.29	22
Percentage of population with access to improved sanitation facilities	23.00	119	5.2 Economy and Environment	41.37	121
Motor vehicles per 1,000 people	97.78	20	Land resource utilization efficiency	0.02	102
Renewable internal freshwater resources per capita	4.61	56	Sulfur dioxide emissions per unit of GDP	3.23	130
SO <sub>2</sub> emissions per capita	0.00	131	Carbon dioxide emissions per unit of GDP	91.99	40
			Energy consumption per unit of GDP	70.26	102

**Table 41.2** 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	1	2	6	4	1
Ecological Environment Competitiveness	11	0	2	0	4	5
Environment Carrying Competitiveness	15	3	1	3	5	3
Environment Management Competitiveness	10	2	1	0	5	0
Environment Harmony Competitiveness	10	0	2	2	0	6
Total	60	6	8	11	18	15

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