

Environment at a Glance 2004

Cuba

Introduction



Cuba's land area is 10,982 thousand hectares. Total population is 11.0 millions, of which 25% is rural. Population density is 103 people per sq. km.

Nationally protected areas cover 69.1% of the territory (the conventional target is 10%).

Fish catch is 101,920 tons per year.

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GOVERNMENT INVOLVEMENT: MULTINATIONAL AGREEMENTS

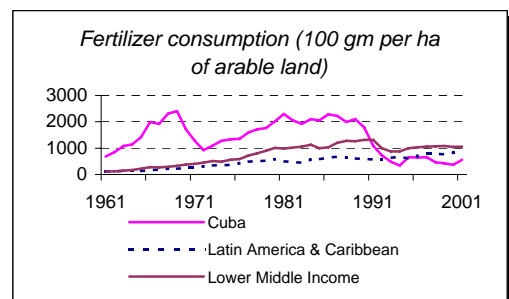
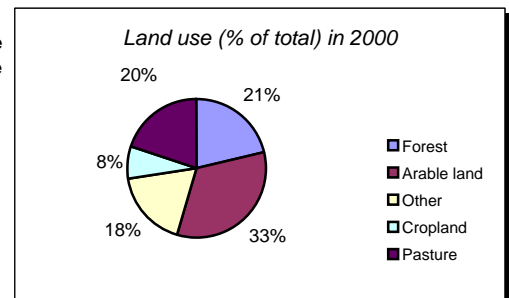
Vienna Convention (ozone)	1992
UNFCCC (climate change)	1994
UNCLOS (law of the sea)	1984
UNCCD (desertification treaty)	..
Ramsar Convention (wetlands)	2001
Kyoto Protocol (CO2 emissions)	2002
Convention on Biodiversity	1994
CMS (migratory species treaty)	..
CITES (species trade treaty)	1990

Access to improved water source is 91%, which is above the regional and income group levels. Access to sanitation facilities is 98%, which is above the regional and income group levels.

Environment and Natural Resource Indicators

AGRICULTURE

	Cuba		Latin America & Caribbean	Lower Middle Income
	1995	2002	2002	2002
Population, total (millions)	11.0	11.3	525.2	2,633.4
Rural population (% of total)	25.4	24.3	23.8	50.6
	1995	2001	2001	2001
Land area (thousand ha)	10,982	10,982	..	..
Arable land (thousand ha)	3,700	3,630	..	..
Forest area (% of area)	18.9	21.4	47.1	31.8
Arable land (% of area)	33.7	33.1	7.4	9.9
Cropland (% of area)	7.5	7.6	1.0	0.9
Pasture (% of area)	21.9	20.0	30.6	24.4
Area under cereal production (thousand ha)	165	201	50,084	252,450
Irrigated land (thousand ha)	870	870	..	..
Fertilizer consumption (100 gm per ha of arable land)	659.5	553.2	845.5	1,060.1
Agriculture value added per worker (constant 1995 US\$)	3,665.8	728.7
Food production index (1989-91 = 100)	54.4	70.2	141.8	157.7

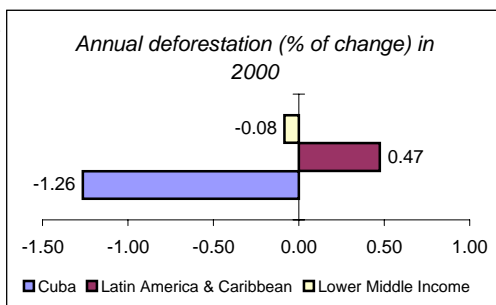


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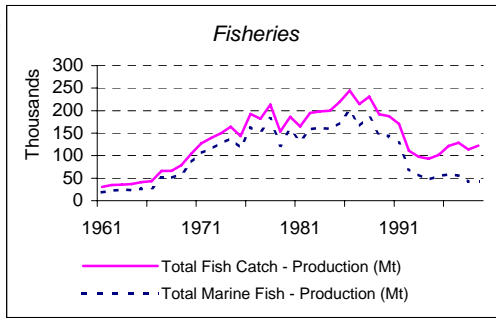
FORESTS

	Cuba		Latin America & Caribbean	Lower Middle Income
	1990	2000	2000	2000
Forest area (sq km)	20,710	23,480	9,437,600	19,065,000
Forest area (% of area)	18.9	21.4	47.1	31.8
Deforestation (sq km per annum)	..	(277)	45,873	14,730
Annual deforestation (% of change)	..	(1.26)	0.47	(0.08)



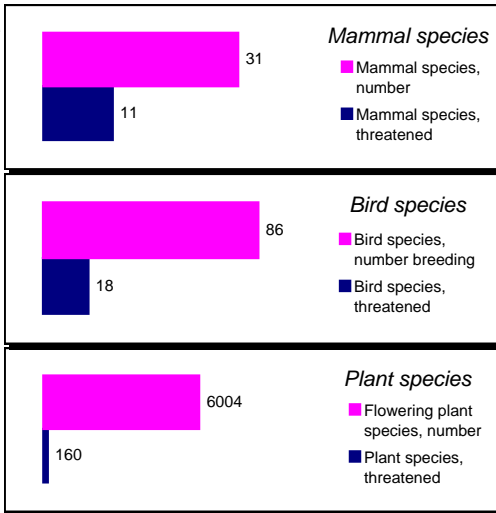
FISHERIES

	Cuba		Latin America & Caribbean	Lower Middle Income
	1989	1995	1998	1999
Total Fish Catch - Production (Mt)	191,900	101,920	113,790	122,430
Total Fish Catch - Exports (Mt)	-	-	-	-
Total Fish Catch - Imports (Mt)	-	-	-	-
Total Marine Fish - Production (Mt)	147,460	54,632	41,998	42,862
Total Marine Fish - Exports (Mt)	..	..	..	..
Total Marine Fish - Imports (Mt)	..	..	..	..



BIODIVERSITY

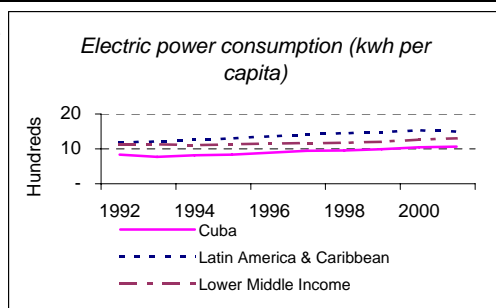
	Cuba		Latin America & Caribbean	Lower Middle Income
	1996	2003	2003	2003
Nationally protected areas (% of total area)	..	69.1	11.2	7.2
Mammal species, number	..	31	..	..
Mammal species, number threatened	9	11	..	..
Bird species, number breeding	..	86	..	..
Bird species, number threatened	13	18	..	..
Fish species, number	..	289	..	..
Fish species, number threatened	4	6	..	..
Flowering plant species, number	6,004	..	..	..
Plant species, number threatened	..	160	..	..



Note: Flowering plant species, number is for 1999.

ENERGY

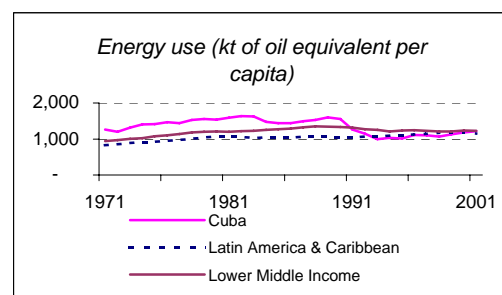
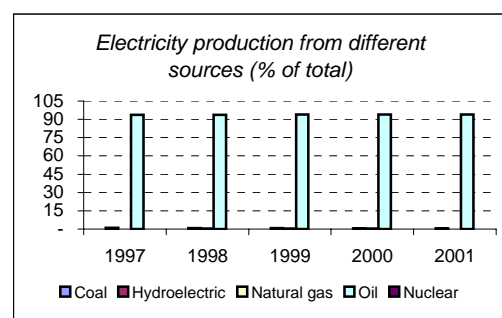
	Cuba		Latin America & Caribbean	Lower Middle Income
	1995	2001	2001	2001
Electric power consumption (kwh in millions)	9,133	12,003	..	..
Electric power consumption (kwh per capita)	833	1,069	1,493	1,304
Electricity production (kwh in millions)	12,459	15,301	962,190	4,098,300
Electricity production from coal sources (% of total)	4.8	42.5



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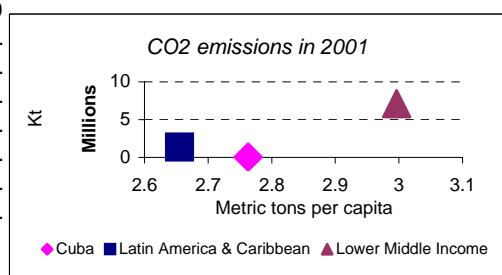
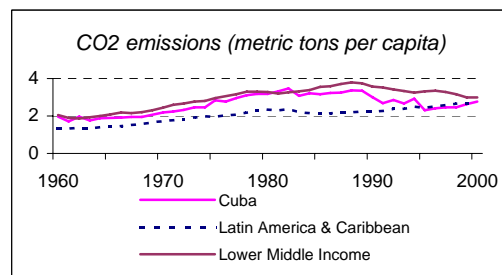
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	1995	2001	2001	2001
Electricity production from hydroelectric sources (% of total)	0.6	0.5	56.5	23.5
Electricity production from natural gas sources (% of total)	0.1	0.0	15.5	19.7
Electricity production from nuclear sources (% of total)	..	..	3.1	6.9
Electricity production from oil sources (% of total)	94.9	93.9	17.7	6.7
Energy use (kt of oil equivalent)	11,149	13,651	595,830	2,929,400
Energy use (kg of oil equivalent per capita)	1,017	1,216	1,151	1,226
Energy production (kt of oil equivalent)	4,285	6,656	845,710	3,544,600
Combustible renewables and waste (% of total energy use)	25.3	24.4	14.5	11.9
GDP per unit of energy use (constant 1995 PPP \$ per kg of oil equivalent)	..	..	5.7	3.7
Private investment in energy (current US\$, millions)	..	..	6,563	8,522



EMISSIONS and POLLUTION

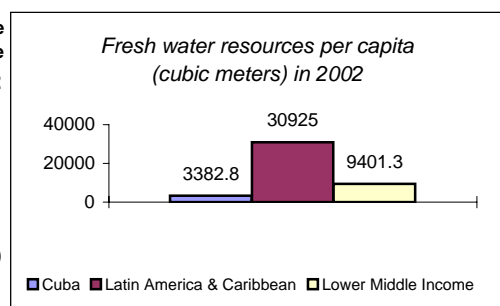
	Cuba		Latin America & Caribbean	Lower Middle Income
	1995	2000	2000	2000
CO2 emissions (kt)	25,359	25,359	1,157,900	7,473,500
CO2 emissions (metric tons per capita)	2.3	2.8	2.7	3.0
CO2 emissions (kg per 1995 US\$ of GDP)	..	..	0.7	1.9
Organic water pollutant (BOD) emissions (kg per day)	..	..	..	..
Organic water pollutant (BOD) emissions (kg per day per worker)	..	..	..	..
Water pollution by industry (% of total BOD emissions)	1995	2000	2000	2000
Chemical
Clay
Food
Metal
Paper
Textile
Wood



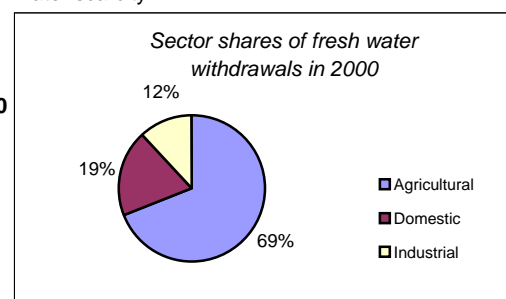
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WATER and SANITATION	Cuba		Latin America & Caribbean	Lower Middle Income
	1990	2002	2002	2002
Freshwater resources per capita (cubic meters)	..	3,383	30,925	9,401
Freshwater use (% of total water resources)	..	13.6	1.6	5.4
Note: Freshwater use (% of total water resources) number for the country is for 2000.				
	1990	2000	2000	2000
Agricultural water use (%)	..	69.0	..	..
Domestic water use (%)	..	19.0	..	..
Industrial water use (%)	..	12.0	..	..
Access to improved water source	1990	2000	2000	2000
% of population with access	..	91.0	86.4	81.3
% of rural population with access	..	77.0	65.3	69.9
% of urban population with access	..	95.0	94.0	94.8
Access to improved sanitation facilities	1990	2000	2000	2000
% of population with access	..	98.0	77.2	59.1
% of rural population with access	..	95.0	51.8	41.8
% of urban population with access	..	99.0	86.0	81.3
Mortality rate, under-5 (per 1,000)	13	9	36	42
Private investment in water and sanitation (current US\$, mil)	..	600	2,990	2,694
Note: Private investment in water and sanitation (current US\$) is for 1996 in the 1990 column.				
NATIONAL ACCOUNTING AGGREGATES	Cuba		Latin America & Caribbean	Lower Middle Income
	1995	2002	2002	2002
GDP (current US\$ billions)	1,668.8	3,426.3
GNI (current US\$ billions)	1,615.5	3,371.9
GNI per capita, Atlas method (current US\$)	3,280	1,400
Gross national savings, including NCTR (% of GNI)	19.8	27.0
Consumption of fixed capital (% of GNI)	10.3	9.9
Net national savings (% of GNI)	9.0	20.9
Education expenditure (% of GNI)	6.1	6.1	4.2	3.2
Energy depletion (% of GNI)	0.0	..	5.2	6.6
Mineral depletion (% of GNI)	0.6	0.3
Net forest depletion (% of GNI)	0.0	0.1
CO2 damage (% of GNI)	0.5	1.7
Particulate emission damage (% of GNI)	0.5	0.7
Adjusted net savings (% of GNI)	6.3	14.6



Countries with the renewable fresh water annual resources below a 1,700 m³ per capita threshold, will experience water stress, below 1,000 m³ per capita threshold will experience water scarcity, and below 500 m³ per capita threshold will experience absolute water scarcity.



Note: Private investment in water and sanitation (current US\$) is for 1996 in the 1990 column.

Sources: WDI, FAO, FAO AQUASTAT, WRI, and IUCN.

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