

COUNTRY PROFILE

GUYANA

CLIMATE: **ACUTE** CARBON: **ACUTE**

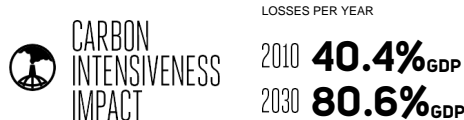
THE MONITOR ASSESSMENT

The Climate Vulnerability Monitor provides a comprehensive national-level assessment of vulnerabilities and impact specifically related to contemporary climate change and carbon intensiveness. This 2012 Monitor assessment was commissioned by the Climate Vulnerable Forum and has been independently developed by DARA. It is grounded in leading and up-to-date scientific studies, research and data assimilated on the basis of an externally reviewed methodology. The assessment spans 34 indicators of impact/vulnerability: 22 for climate change ("Climate") and 12 for carbon intensiveness ("Carbon"). Estimates in human, economic and environmental terms are for 2010 and 2030. Vulnerability at country-level and by indicator is comparative to the 184 countries included in the assessment.

→ For the full report, data & additional info: www.daraint.org/cvm2 - cvm@daraint.org - +34 915310372

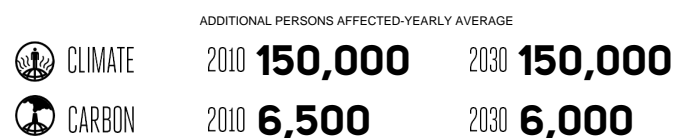
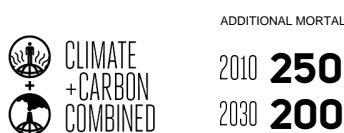
ECONOMIC NATIONAL LOSS TOTALS: GUYANA

ADDITIONAL ECONOMIC COSTS (NEGATIVE NUMBERS SHOW POSITIVE EFFECTS) - YEARLY AVERAGE



HUMAN NATIONAL LOSS TOTALS: GUYANA

ADDITIONAL HUMAN IMPACTS (NEGATIVE NUMBERS SHOW POSITIVE EFFECTS) - YEARLY AVERAGE



FULL COUNTRY ASSESSMENT: GUYANA

	VULNERABILITY LEVEL		ADDITIONAL ECONOMIC COSTS (MILLION USD PPP)		ADDITIONAL MORTALITY		ADDITIONAL POPULATION (1000s)		OTHER VALUE 1*		OTHER VALUE 2*	
	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030
CLIMATE												
ENVIRONMENTAL DISASTERS												
DROUGHT	+	+	1	15								
FLOODS AND LANDSLIDES	+	+	10	100			1	1				
STORMS				1								
WILDFIRES												
TOTAL			11	116	0	0	1	1				
HABITAT CHANGE												
BIODIVERSITY	+	+	65	300					-3,500	-7,250	150	500
DESERTIFICATION												
HEATING AND COOLING	-	+	5	50					25	100	20	85
LABOUR PRODUCTIVITY	+	-	80	600					37	29		
PERMAFROST												
SEA-LEVEL RISE	+	-	200	1,000			0	0	15	40		
WATER	+	-	15	100								
TOTAL			365	2,050			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES	+	-			10	5						
HUNGER	-	+			10	15	0	0				
MALARIA AND VECTOR-BORNE	-	-			1	5	0	1				
MENINGITIS					1	1	0	0				
TOTAL					22	26	0	1				
INDUSTRY STRESS												
AGRICULTURE	-	+	5	55								
FISHERIES	-	+	25	300								
FORESTRY												
HYDRO ENERGY												
TOURISM												
TRANSPORT												
TOTAL			30	355								
CLIMATE TOTAL			406	2,521	22	26	2	3				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY	+	+	2,250	15,000					5,500	5,000		
CORROSION												
WATER												
TOTAL			2250	15000								
HEALTH IMPACT												
AIR POLLUTION	+	+			85	80	1	2				
INDOOR SMOKE					100	90	4	3				
OCCUPATIONAL HAZARDS	-	-			1	1	0	0				
SKIN CANCER	-	-			1	1	0	0				
TOTAL					187	172	6	6				
INDUSTRY STRESS												
AGRICULTURE			1	-10								
FISHERIES	+	+	5	45								
FORESTRY	+	+	5	35								
TOTAL			10.5	70								
CARBON TOTAL			2,260	15,070	187	172	6	6				

VULNERABILITY LEVELS:

- Acute+ High+
- Acute- High-
- Severe+ Moderate
- Severe- Low

+ = Upper tier of vulnerability level
- = Lower tier of vulnerability level

- Environmental disasters
- Habitat change
- Health impact
- Industry stress
- CLIMATE = Impact/Vulnerability to Climate Change
- CARBON = Impact/Vulnerability to Carbon Intensiveness

	OTHER VALUE 1	OTHER VALUE 2
BIODIVERSITY	Contraction of biological zones (km ²) (cumulative)	Decline in biological richness
DESERTIFICATION	Additional land degraded (km ²) (cumulative)	
HEATING & COOLING	Change in energy load (GWh)	
LABOUR PRODUCTIVITY	Share of workforce particularly affected (%)	
SEA-LEVEL RISE	Net loss of land (km ²) (cumulative)	
WATER	Loss in water runoff 2030 (km ³)	
OIL SANDS	Tonnes toxic waste ('000s)	
OIL SPILLS	Gallons oil spill ('000s)	
BIODIVERSITY	Decline in biological richness	
WATER	Volume of water to treat (millions m ³)	