

COUNTRY PROFILE

DOMINICAN REPUBLIC

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

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

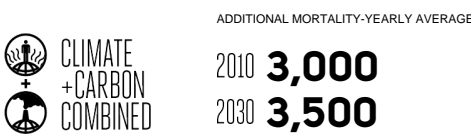
ECONOMIC NATIONAL LOSS TOTALS: DOMINICAN REPUBLIC

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



HUMAN NATIONAL LOSS TOTALS: DOMINICAN REPUBLIC

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



FULL COUNTRY ASSESSMENT: DOMINICAN REPUBLIC

	VULNERABILITY LEVEL		ADDITIONAL ECONOMIC COSTS (MILLION USD PPP)		ADDITIONAL MORTALITY		ADDITIONAL AFFECTED POPULATION (1000s)		OTHER VALUE 1*		OTHER VALUE 2*	
	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030
ENVIRONMENTAL DISASTERS												
DROUGHT	-	+	5	20								
FLOODS AND LANDSLIDES	-	+	1	25	1	1	7	8				
STORMS	-	+	200	1,750	10	10	20	20				
WILDFIRES												
TOTAL			206	1,795	11	11	27	28				
HABITAT CHANGE												
BIODIVERSITY			30	250					-3,750	-7,250	150	500
DESERTIFICATION			30	200			150	300	650	1,250		
HEATING AND COOLING			65	950					450	1,750	350	1,250
LABOUR PRODUCTIVITY			1,250	9,500					38	30		
PERMAFROST												
SEA-LEVEL RISE			100	700			0	0	150	300		
WATER			100	950								
TOTAL			1,575	12,550			150	300				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES	-	+			150	150						
HUNGER					100	200	0	0				
MALARIA AND VECTOR-BORNE					10	20	5	10				
MENINGITIS					15	20	0	0				
TOTAL					275	390	5	10				
INDUSTRY STRESS												
AGRICULTURE	-	+	150	1,000								
FISHERIES			5	65								
FORESTRY			55	600								
HYDRO ENERGY			1	20								
TOURISM												
TRANSPORT												
TOTAL			211	1,685								
CLIMATE TOTAL			1,992	16,030	286	401	183	338				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY												
CORROSION												
WATER												
TOTAL			0	0								
HEALTH IMPACT												
AIR POLLUTION	-	+			1,500	2,000	30	55				
INDOOR SMOKE					1,000	1,000	30	30				
OCCUPATIONAL HAZARDS					30	35	15	15				
SKIN CANCER					5	15	0	0				
TOTAL					2535	3050	75	100				
INDUSTRY STRESS												
AGRICULTURE			-5	-250								
FISHERIES												
FORESTRY			150	750								
TOTAL			145	500.5								
CARBON TOTAL			145	500	2,535	3,050	75	100				

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)	