

## COUNTRY PROFILE

### COLOMBIA

CLIMATE: **MODERATE**

CARBON: **HIGH**

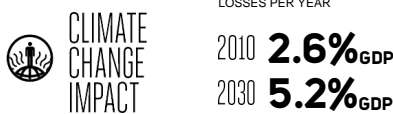
### THE MONITOR ASSESSMENT

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](http://www.daraint.org/cvm2) - [cvm@daraint.org](mailto:cvm@daraint.org) - +34 915310372

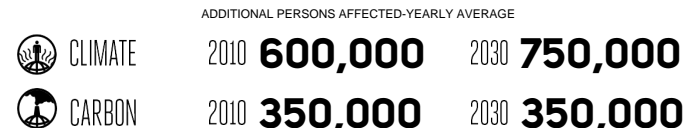
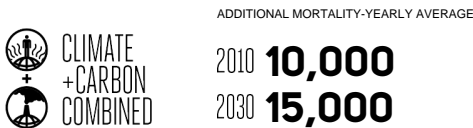
### ECONOMIC NATIONAL LOSS TOTALS: COLOMBIA

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



### HUMAN NATIONAL LOSS TOTALS: COLOMBIA

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



### FULL COUNTRY ASSESSMENT: COLOMBIA

	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
<b>CLIMATE</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	-	+	15	80								
FLOODS AND LANDSLIDES	-	+	50	450	10	10	35	45				
STORMS												
WILDFIRES												
<b>TOTAL</b>			65	530	10	10	35	45				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	-	650	4,750					-5,500	-10,000	150	500
DESERTIFICATION			1	10			1	3	35	75		
HEATING AND COOLING			-40	1,250					-300	2,500	-55	450
LABOUR PRODUCTIVITY	+	+	9,750	75,000					40	31		
PERMAFROST												
SEA-LEVEL RISE			350	2,250			0	0	350	600		
WATER			-250	-2,000					-1	-5		
<b>TOTAL</b>			10,461	81,260			1	4				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES	+	+			300	350						
HUNGER					250	450	0	0				
MALARIA AND VECTOR-BORNE					45	100	25	55				
MENINGITIS					55	75	0	0				
<b>TOTAL</b>					650	975	25	56				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			300	2,500								
FISHERIES			40	500								
FORESTRY			80	900								
HYDRO ENERGY			-20	-100								
TOURISM												
TRANSPORT												
<b>TOTAL</b>			400	3,800								
<b>CLIMATE TOTAL</b>			10,926	85,590	660	985	62	105				
<b>CARBON</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS												
OIL SPILLS												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	+	5,500	40,000					1,500	4,250		
CORROSION			1	1								
WATER			1	5					70	100		
<b>TOTAL</b>			5501.5	40006								
<b>HEALTH IMPACT</b>												
AIR POLLUTION	+	+			5,000	7,000	55	90				
INDOOR SMOKE					4,500	4,750	250	250				
OCCUPATIONAL HAZARDS	+	-			300	450	20	20				
SKIN CANCER	-	+			100	250	0	0				
<b>TOTAL</b>					9900	12450	325	360				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			-1	-700								
FISHERIES												
FORESTRY	-	+	450	2,500								
<b>TOTAL</b>			449	1801								
<b>CARBON TOTAL</b>			5,950	41,807	9,900	12,450	325	360				

**VULNERABILITY LEVELS:**

- Acute+ (Red +)
- Acute- (Red -)
- Severe+ (Orange +)
- Severe- (Orange -)
- High+ (Yellow +)
- High- (Yellow -)
- Moderate (Green)
- Low (Dark Green)

+ = 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 (km²) (cumulative)	Decline in biological richness
DESERTIFICATION	Additional land degraded (km²) (cumulative)	
HEATING & COOLING	Change in energy load (GWh)	
LABOUR PRODUCTIVITY	Share of workforce particularly affected (%)	
SEA-LEVEL RISE	Net loss of land (km²) (cumulative)	
WATER	Loss in water runoff 2030 (km³)	
OIL SANDS	Tonnes toxic waste ('000s)	
OIL SPILLS	Gallons oil spill ('000s)	
BIODIVERSITY	Decline in biological richness	
WATER	Volume of water to treat (millions m³)	