

## COUNTRY PROFILE

### VENEZUELA

CLIMATE: **HIGH** CARBON: **MODERATE**

#### 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: VENEZUELA

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



#### HUMAN NATIONAL LOSS TOTALS: VENEZUELA

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



#### FULL COUNTRY ASSESSMENT: VENEZUELA

	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>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	-	+	10	45								
FLOODS AND LANDSLIDES	-	+	30	300	5	5	15	15				
STORMS				1								
WILDFIRES												
<b>TOTAL</b>			40	346	5	5	15	15				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	+	550	4,000					-25,000	-55,000	150	500
DESERTIFICATION												
HEATING AND COOLING	-	+	200	3,000					1,500	6,250	400	1,500
LABOUR PRODUCTIVITY	+	+	8,000	60,000					41	32		
PERMAFROST												
SEA-LEVEL RISE	-	+	850	5,000			1	1	200	400		
WATER	-	+	350	2,750					1	5		
<b>TOTAL</b>			9,950	74,750			1	1	1	5		
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES	-	+	150	150								
HUNGER			90	150			0	0				
MALARIA AND VECTOR-BORNE			15	30	5	15						
MENINGITIS			25	40	0	0						
<b>TOTAL</b>					280	370	5	15				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			350	2,750								
FISHERIES			65	800								
FORESTRY	+	+	400	4,500								
HYDRO ENERGY			-30	-200								
TOURISM												
TRANSPORT												
<b>TOTAL</b>			785	7,850								
<b>CLIMATE TOTAL</b>			10,775	82,946	285	375	21	31				
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS												
OIL SPILLS												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	+	4,000	30,000					1,250	3,750		
CORROSION	-	+	1	10								
WATER			5	35					400	550		
<b>TOTAL</b>			4006	30045								
<b>HEALTH IMPACT</b>												
AIR POLLUTION	+	+			3,250	4,500	35	55				
INDOOR SMOKE					1,500	1,500	35	35				
OCCUPATIONAL HAZARDS	-	+	55	75	5	6						
SKIN CANCER	-	+	100	250	0	0						
<b>TOTAL</b>					4905	6325	75	97				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			-10	-600								
FISHERIES	-	+	25	200								
FORESTRY	-	+	200	1,000								
<b>TOTAL</b>			215	600								
<b>CARBON TOTAL</b>			4,221	30,645	4,905	6,325	75	97				

**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 <sup>2</sup> ) (cumulative)	Decline in biological richness
DESERTIFICATION	Additional land degraded (km <sup>2</sup> ) (cumulative)	
HEATING & COOLING	Change in energy load (GWh)	
LABOUR PRODUCTIVITY	Share of workforce particularly affected (%)	
SEA-LEVEL RISE	Net loss of land (km <sup>2</sup> ) (cumulative)	
WATER	Loss in water runoff 2030 (km <sup>3</sup> )	
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 <sup>3</sup> )	