

COUNTRY PROFILE

ARGENTINA

CLIMATE: **LOW** 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 - cvm@daraint.org - +34 915310372

ECONOMIC NATIONAL LOSS TOTALS: ARGENTINA

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

CLIMATE CHANGE IMPACT

LOSSES PER YEAR

2010 **1.0%GDP**
2030 **1.5%GDP**

CARBON INTENSIVENESS IMPACT

LOSSES PER YEAR

2010 **1.6%GDP**
2030 **2.9%GDP**

HUMAN NATIONAL LOSS TOTALS: ARGENTINA

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

CLIMATE + CARBON COMBINED

ADDITIONAL MORTALITY-YEARLY AVERAGE

2010 **15,000**
2030 **15,000**

CLIMATE
CARBON

ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE

2010 **750,000** 2030 **850,000**
2010 **150,000** 2030 **200,000**

FULL COUNTRY ASSESSMENT: ARGENTINA

	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	-	+	25	150								
FLOODS AND LANDSLIDES	-	+	70	700	5	5	15	20				
STORMS	-	+	1	10								
WILDFIRES	-	+										
TOTAL			96	860	5	5	15	20				
HABITAT CHANGE												
BIODIVERSITY	-	+	3,000	20,000					-35,000	-70,000	150	400
DESERTIFICATION	-	+	-250	-2,000			-55	-150	-3,750	-7,500		
HEATING AND COOLING	-	+	-65	-350					-3,000	-3,750	-1,000	-1,500
LABOUR PRODUCTIVITY	-	+	-150	-1,000					38	29		
PERMAFROST	-	+										
SEA-LEVEL RISE	-	+	4,500	25,000			0	0	150	300		
WATER	-	+	-150	-1,250					-0	-1		
TOTAL			6,885	40,400			-54	-149				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	-	+			0	0	0	0				
HEAT AND COLD ILLNESSES	-	+			300	250						
HUNGER	-	+			300	500	0	1				
MALARIA AND VECTOR-BORNE	-	+										
MENINGITIS	-	+			40	55	0	0				
TOTAL					640	805	0	1				
INDUSTRY STRESS												
AGRICULTURE	-	+	550	4,500								
FISHERIES	-	+	80	950								
FORESTRY	-	+	-950	-10,000								
HYDRO ENERGY	-	+	-20	-150								
TOURISM	-	+	-10	-65								
TRANSPORT	-	+										
TOTAL			-350	-4,765								
CLIMATE TOTAL			6,631	36,495	645	810	-38	-127				
ENVIRONMENTAL DISASTERS												
OIL SANDS	-	+										
OIL SPILLS	-	+										
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY	-	+	9,000	70,000					350	1,250		
CORROSION	-	+		1								
WATER	-	+								1		
TOTAL			9000	70001								
HEALTH IMPACT												
AIR POLLUTION	-	+			9,750	10,000	100	150				
INDOOR SMOKE	-	+			3,250	3,250	20	20				
OCCUPATIONAL HAZARDS	-	+			80	100	10	10				
SKIN CANCER	-	+			250	600	0	1				
TOTAL					13330	13950	130	181				
INDUSTRY STRESS												
AGRICULTURE	-	+	-25	-4,250								
FISHERIES	-	+	60	450								
FORESTRY	-	+	250	1,250								
TOTAL			285	-2550								
CARBON TOTAL			9,285	67,451	13,330	13,950	130	181				

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 (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 (1000s)
- OIL SPILLS: Gallons oil spill (1000s)
- BIODIVERSITY: Decline in biological richness
- WATER: Volume of water to treat (millions m³)