

COUNTRY PROFILE

URUGUAY

CLIMATE: **MODERATE** 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: URUGUAY

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



HUMAN NATIONAL LOSS TOTALS: URUGUAY

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



FULL COUNTRY ASSESSMENT: URUGUAY

	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	40								
FLOODS AND LANDSLIDES			1	5	1	1	1	1				
STORMS				1								
WILDFIRES												
TOTAL			6	46	1	1	1	1				
HABITAT CHANGE												
BIODIVERSITY	+	+	200	1,250					-400	-800	100	300
DESERTIFICATION	+	-	20	150			7	15	400	800		
HEATING AND COOLING			-40	-200					-250	-300	-60	-85
LABOUR PRODUCTIVITY			10	75					41	32		
PERMAFROST												
SEA-LEVEL RISE	-	-	500	3,250			0	0	5	10		
WATER			-10	-70								
TOTAL			680	4,455			7	15				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES	+				20	10						
HUNGER					25	40	0	0				
MALARIA AND VECTOR-BORNE												
MENINGITIS					1	5	0	0				
TOTAL					46	55	0	0				
INDUSTRY STRESS												
AGRICULTURE		-	30	250								
FISHERIES		-	30	350								
FORESTRY			-5	-80								
HYDRO ENERGY			-5	-20								
TOURISM			-1	-5								
TRANSPORT												
TOTAL			50	495								
CLIMATE TOTAL			734	4,995	46	55	9	17				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY		-	200	1,500					100	400		
CORROSION												
WATER												
TOTAL			200	1500								
HEALTH IMPACT												
AIR POLLUTION	+	+			650	800	9	15				
INDOOR SMOKE					350	350	2	2				
OCCUPATIONAL HAZARDS	-	+			10	10	1	1				
SKIN CANCER	-	+			25	60	0	0				
TOTAL					1035	1220	12	19				
INDUSTRY STRESS												
AGRICULTURE	+		10	-20								
FISHERIES			1	10								
FORESTRY				1								
TOTAL			11	-9								
CARBON TOTAL			211	1,491	1,035	1,220	12	19				

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 (km²)
- 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)