

COUNTRY PROFILE

GEORGIA

CLIMATE: **HIGH** 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

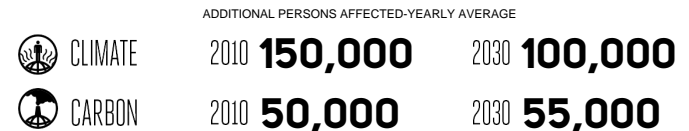
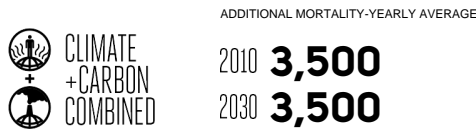
ECONOMIC NATIONAL LOSS TOTALS: GEORGIA

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



HUMAN NATIONAL LOSS TOTALS: GEORGIA

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



FULL COUNTRY ASSESSMENT: GEORGIA

	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												
	+	+	10	50								
	-	+	1	10	1	1	30	20				
				1								
TOTAL			11	61	1	1	30	20				
HABITAT CHANGE												
	+	-	55	350					-2,750	-5,500	60	200
			-1	-5					-5	-10	-1	-1
			10	60					32	24		
			60	300			0	0	50	100		
	+	+	200	1,250					1	1		
TOTAL			324	1,955			0	0				
HEALTH IMPACT												
					1	1	0					
	-	+			65	100						
					5	5	0	0				
TOTAL					71	106	0	0				
INDUSTRY STRESS												
		-	15	100								
			10	95								
		-	1	20								
			-15	-75								
TOTAL			11	140								
CLIMATE TOTAL			346	2,156	72	107	30	20				
ENVIRONMENTAL DISASTERS												
TOTAL			0	0								
HABITAT CHANGE												
			65	450					75	250		
TOTAL			65	450								
HEALTH IMPACT												
	+	+			2,250	2,250	25	35				
	-	+			1,250	950	20	15				
					5	5	3	3				
	-	+			30	50	0	0				
TOTAL					3535	3255	48	53				
INDUSTRY STRESS												
			1	-75								
	+	+	45	100								
TOTAL			45.75	25								
CARBON TOTAL			110	475	3,535	3,255	48	53				

VULNERABILITY LEVELS:

- Acute+
- Acute-
- Severe+
- Severe-
- High+
- High-
- Moderate
- Low

Legend:

- + = 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 and 2 Legend:

- BIODIVERSITY:** OTHER VALUE 1: Contraction of biological zones (km²) (cumulative); OTHER VALUE 2: 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 (1000s)
- OIL SPILLS:** Gallons oil spill (1000s)
- BIODIVERSITY:** Decline in biological richness
- WATER:** Volume of water to treat (millions m³)