

COUNTRY PROFILE

ERITREA

CLIMATE: **SEVERE** CARBON: **LOW**

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: ERITREA

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



HUMAN NATIONAL LOSS TOTALS: ERITREA

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



FULL COUNTRY ASSESSMENT: ERITREA

	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
CLIMATE												
ENVIRONMENTAL DISASTERS												
DROUGHT												
FLOODS AND LANDSLIDES					1	1	4	7				
STORMS												
WILDFIRES												
TOTAL			0	0	1	1	4	7				
HABITAT CHANGE												
BIODIVERSITY	-	+	20	100					-2,750	-5,750	150	450
DESERTIFICATION			-1	-1								
HEATING AND COOLING			-20	-100					-150	-300	-100	-200
LABOUR PRODUCTIVITY	+	+	40	250					62	51		
PERMAFROST												
SEA-LEVEL RISE	-	-	150	650			0	0	20	55		
WATER												
TOTAL			190	899			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	+	-			85	150	0					
HEAT AND COLD ILLNESSES	-	-			45	65						
HUNGER	-	-			85	150	0	0				
MALARIA AND VECTOR-BORNE	-	-			1	1	0	0				
MENINGITIS	-	-			25	35	0	0				
TOTAL					241	401	0	0				
INDUSTRY STRESS												
AGRICULTURE	-	+	15	85								
FISHERIES												
FORESTRY												
HYDRO ENERGY												
TOURISM			1	10								
TRANSPORT												
TOTAL			16	95								
CLIMATE TOTAL			205	994	241	402	5	8				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			1	5					5	20		
CORROSION												
WATER									10	15		
TOTAL			0.75	5								
HEALTH IMPACT												
AIR POLLUTION	-	-			250	500	7	25				
INDOOR SMOKE	+	+			2,500	2,000	150	100				
OCCUPATIONAL HAZARDS					5	10	2	3				
SKIN CANCER					10	30	0	0				
TOTAL					2765	2540	159	128				
INDUSTRY STRESS												
AGRICULTURE			-1	-20								
FISHERIES												
FORESTRY												
TOTAL			-0.75	-20								
CARBON TOTAL			0	-15	2,765	2,540	159	128				

VULNERABILITY LEVELS:

- Acute+ (Red)
- Acute- (Orange)
- Severe+ (Yellow)
- Severe- (Light Green)
- High+ (Dark Green)
- High- (Light Green)
- Moderate (Medium 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 (km ²) (cumulative)	Decline in biological richness
DESERTIFICATION	Additional land degraded (km ²) (cumulative)	
HEATING & COOLING	Change in energy load (GWh)	
LABOUR PRODUCTIVITY	Share of workforce particularly affected (%)	
SEA-LEVEL RISE	Net loss of land (km ²) (cumulative)	
WATER	Loss in water runoff 2030 (km ³)	
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 ³)	