

COUNTRY PROFILE

SOMALIA

CLIMATE: **ACUTE** 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: SOMALIA

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



HUMAN NATIONAL LOSS TOTALS: SOMALIA

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



FULL COUNTRY ASSESSMENT: SOMALIA

	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	-	+										
FLOODS AND LANDSLIDES	-	+	1	1	1	5	20	45				
STORMS												
WILDFIRES												
TOTAL			1	2	1	5	20	45				
HABITAT CHANGE												
BIODIVERSITY	+	+	85	550					-15,000	-30,000	150	450
DESERTIFICATION									-1	-5		
HEATING AND COOLING			-1	1					-10	5	-5	1
LABOUR PRODUCTIVITY	+	+	65	400					42	34		
PERMAFROST												
SEA-LEVEL RISE	+	+	750	3,750					45	150		
WATER			-5	-40					-1	-1		
TOTAL			894	4,661								
HEALTH IMPACT												
DIARRHEAL INFECTIONS	+	+			550	1,000	0					
HEAT AND COLD ILLNESSES	-	-			150	250						
HUNGER	+	+			1,750	2,000	1	1				
MALARIA AND VECTOR-BORNE	+	+			200	200	50	60				
MENINGITIS	-	-			150	250	0	0				
TOTAL					2,800	3,700	52	62				
INDUSTRY STRESS												
AGRICULTURE	-	+	35	250								
FISHERIES												
FORESTRY												
HYDRO ENERGY												
TOURISM												
TRANSPORT												
TOTAL			35	250								
CLIMATE TOTAL			929	4,912	2,801	3,705	72	107				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			10	50					15	45		
CORROSION												
WATER												
TOTAL			10	50								
HEALTH IMPACT												
AIR POLLUTION	-	-			1,250	2,750	10	30				
INDOOR SMOKE	+	+			15,000	15,000	750	750				
OCCUPATIONAL HAZARDS					10	15	1	2				
SKIN CANCER	+	+			40	150	0	0				
TOTAL					16,300	17,915	761	782				
INDUSTRY STRESS												
AGRICULTURE			-5	-200								
FISHERIES												
FORESTRY			1	5								
TOTAL			-4.5	-195								
CARBON TOTAL			6	-145	16,300	17,915	761	782				

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 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)	