

COUNTRY PROFILE

MOZAMBIQUE

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: MOZAMBIQUE

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

LOSSES PER YEAR		LOSSES PER YEAR	
	2010	7.7%_{GDP}	
	2030	14.1%_{GDP}	
	2010	3.6%_{GDP}	
	2030	4.4%_{GDP}	

HUMAN NATIONAL LOSS TOTALS: MOZAMBIQUE

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

ADDITIONAL MORTALITY-YEARLY AVERAGE		ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE	
	2010	25,000	
	2030	25,000	
	2010	5,000,000	
	2030	7,400,000	
	2010	800,000	
	2030	700,000	

FULL COUNTRY ASSESSMENT: MOZAMBIQUE

	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	+	+	1	10								
FLOODS AND LANDSLIDES	+	+	10	85	1	5	20	30				
STORMS	-	+	1	15	15	25	150	200				
WILDFIRES	+	+										
TOTAL			12	110	16	30	170	230				
HABITAT CHANGE												
BIODIVERSITY	+	+	80	550					-35,000	-70,000	60	200
DESERTIFICATION									-5	-10		
HEATING AND COOLING		+	10	90					150	400		
LABOUR PRODUCTIVITY	+	+	250	1,500					63	51		
PERMAFROST												
SEA-LEVEL RISE	+	+	1,000	5,250			3	4	100	300		
WATER			-1	-5								
TOTAL			1,340	7,385			3	4				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	-	+			550	950	0					
HEAT AND COLD ILLNESSES	+	+			400	550						
HUNGER	-	+			1,000	1,750	0	1				
MALARIA AND VECTOR-BORNE	+	+			1,750	1,750	500	450				
MENINGITIS	-	-			400	550	0	0				
TOTAL					4,100	5,550	501	451				
INDUSTRY STRESS												
AGRICULTURE	+	+	100	800								
FISHERIES	+	+	65	700								
FORESTRY	+	+	75	700								
HYDRO ENERGY	-	-	-10	-55								
TOURISM			10	65								
TOTAL			240	2,210								
CLIMATE TOTAL			1,591	9,705	4,116	5,580	675	686				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS		-	20	65					1,250	1,250		
TOTAL			20	65								
HABITAT CHANGE												
BIODIVERSITY	+	+	450	2,750					300	950		
CORROSION												
WATER									15	20		
TOTAL			450	2,750								
HEALTH IMPACT												
AIR POLLUTION	-	+			3,500	5,500	55	150				
INDOOR SMOKE	+	+			15,000	10,000	750	550				
OCCUPATIONAL HAZARDS	-	-			45	70	10	20				
SKIN CANCER					25	60	0	0				
TOTAL					18570	15630	815	720				
INDUSTRY STRESS												
AGRICULTURE			-15	-450								
FISHERIES												
FORESTRY	-	+	5	35								
TOTAL			-10	-415								
CARBON TOTAL			460	2,400	18,570	15,630	815	720				

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)	