CLIMATE VULNERABILITY MONITOR

DARA

Climate Vulnerable Forum

COUNTRY PROFILE

ANGOLA

CLIMATE: **ACUTE** CARBON: **ACUTE**

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: ANGOLA

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

CLIMATE CHANGE IMPACT

LOSSES PER YEAR

2010 **4.1%GDP**
2030 **7.9%GDP**

CARBON INTENSIVENESS IMPACT

LOSSES PER YEAR

2010 **9.2%GDP**
2030 **11.2%GDP**

HUMAN NATIONAL LOSS TOTALS: ANGOLA

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

CLIMATE +CARBON COMBINED

ADDITIONAL MORTALITY-YEARLY AVERAGE

2010 **45,000**
2030 **45,000**

CLIMATE

ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE

2010 **9,650,000** 2030 **13,450,000**

CARBON

2010 **3,050,000** 2030 **3,150,000**

FULL COUNTRY ASSESSMENT: ANGOLA

		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	-	-	5	15								
	FLOODS AND LANDSLIDES				1	1	5	20	45				
	STORMS												
	WILDFIRES												
	TOTAL			5	16	1	5	20	45				
	HABITAT CHANGE												
	BIODIVERSITY	-	+	400	2,500					-60,000	-100,000	200	550
	DESERTIFICATION	-	-	25	150			20	65	1,250	2,500		
	HEATING AND COOLING			15	150					95	350	20	75
	LABOUR PRODUCTIVITY	+	+	2,500	15,000					52	43		
	PERMAFROST												
	SEA-LEVEL RISE			100	650			0	0	400	950		
	WATER		-	70	450					1	1		
	TOTAL			3,110	18,900			20	65				
	HEALTH IMPACT												
	DIARRHEAL INFECTIONS	+	+			1,250	1,750	7					
	HEAT AND COLD ILLNESSES	-	-			200	300						
	HUNGER	+	+			1,750	2,000	0	0				
	MALARIA AND VECTOR-BORNE	-				150	90	65	35				
	MENINGITIS	+	+			500	900	1	2				
	TOTAL					3,850	5,040	74	38				
	INDUSTRY STRESS												
	AGRICULTURE	-	+	150	1,000								
	FISHERIES		-	80	800								
	FORESTRY	+	+	450	4,500								
	HYDRO ENERGY			-1	-5								
	TOURISM												
	TRANSPORT												
	TOTAL			680	6,295								
	CLIMATE TOTAL			**3,794**	**25,210**	**3,851**	**5,045**	**115**	**149**				
CARBON	**ENVIRONMENTAL DISASTERS**												
	OIL SANDS				150						600		
	OIL SPILLS	+	+	250	850					4,250	4,500		
	TOTAL			250	1000								
	HABITAT CHANGE												
	BIODIVERSITY	+	+	4,500	30,000					2,000	5,000		
	CORROSION												
	WATER			1	5					150	200		
	TOTAL			4501	30005								
	HEALTH IMPACT												
	AIR POLLUTION	+	-			2,000	4,250	50	150				
	INDOOR SMOKE	+	+			35,000	35,000	3,000	3,000				
	OCCUPATIONAL HAZARDS					25	40	10	15				
	SKIN CANCER		-			30	95	0	0				
	TOTAL					37055	39385	3060	3165				
	INDUSTRY STRESS												
	AGRICULTURE			-25	-750								
	FISHERIES			1	1								
	FORESTRY	-	+	25	150								
	TOTAL			0.5	-599								
	CARBON TOTAL			**4,751**	**30,406**	**37,055**	**39,385**	**3,060**	**3,165**				

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
DESERTI-FICATION	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 (1000s)	
OIL SPILLS	Gallons oil spill (1000s)	
BIODIVERSITY	Decline in biological richness	
WATER	Volume of water to treat (millions m^3)	