

COUNTRY PROFILE

NIGERIA

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

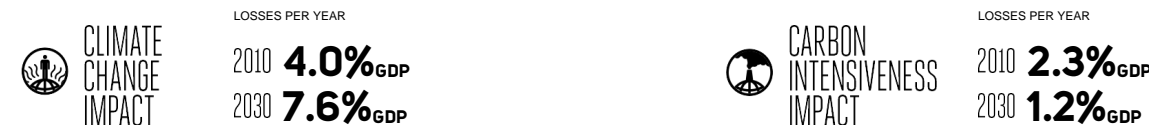
THE MONITOR ASSESSMENT

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: NIGERIA

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



HUMAN NATIONAL LOSS TOTALS: NIGERIA

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



FULL COUNTRY ASSESSMENT: NIGERIA

	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	-	+	15	70								
FLOODS AND LANDSLIDES			1	20	10	15	85	150				
STORMS												
WILDFIRES												
TOTAL			16	90	10	15	85	150				
HABITAT CHANGE												
BIODIVERSITY			200	1,250					-5,250	-10,000	200	550
DESERTIFICATION	-	+	60	350			750	2,000	4,250	8,500		
HEATING AND COOLING			85	700					2,500	6,250	1,000	2,750
LABOUR PRODUCTIVITY	-	+	10,000	75,000					42	34		
PERMAFROST												
SEA-LEVEL RISE			500	2,500			0	0	750	2,000		
WATER			-65	-400					-1	-1		
TOTAL			10,780	79,400			750	2,000				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	+	+			6,750	9,250	8					
HEAT AND COLD ILLNESSES	+	+			3,000	4,250						
HUNGER	-	+			10,000	10,000	5	5				
MALARIA AND VECTOR-BORNE	-	+			2,250	1,250	600	400				
MENINGITIS	+	+			3,500	5,250	5	8				
TOTAL					25,500	30,000	619	414				
INDUSTRY STRESS												
AGRICULTURE	+	+	900	6,250								
FISHERIES	+	+	300	3,750								
FORESTRY			25	200								
HYDRO ENERGY			-5	-30								
TOURISM												
TRANSPORT												
TOTAL			1,220	10,170								
CLIMATE TOTAL			12,016	89,660	25,510	30,015	1,454	2,564				
ENVIRONMENTAL DISASTERS												
OIL SANDS				1,500						5,000		
OIL SPILLS			40	150					1,000	1,250		
TOTAL			40	1650								
HABITAT CHANGE												
BIODIVERSITY			900	6,000					900	2,750		
CORROSION			1	5								
WATER			1	1					90	100		
TOTAL			901.5	6006								
HEALTH IMPACT												
AIR POLLUTION	-	+			25,000	45,000	350	850				
INDOOR SMOKE	-	+			150,000	100,000	6,500	5,000				
OCCUPATIONAL HAZARDS	-	+			300	500	65	100				
SKIN CANCER	-	+			200	550	0	0				
TOTAL					175,500	146,050	6,915	5,950				
INDUSTRY STRESS												
AGRICULTURE			-400	-9,750								
FISHERIES			5	20								
FORESTRY	+	+	150	750								
TOTAL			-245	-8980								
CARBON TOTAL			696	-1,324	175,500	146,050	6,915	5,950				

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

BIODIVERSITY	OTHER VALUE 1	OTHER VALUE 2
DESERTIFICATION	Contraction of biological zones (km ²) (cumulative)	Decline in biological richness
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)	