

COUNTRY PROFILE

CENTRAL AFRICAN REPUBLIC CLIMATE: **ACUTE** CARBON: **SEVERE**

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

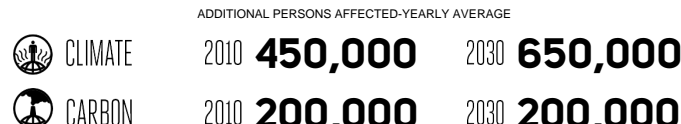
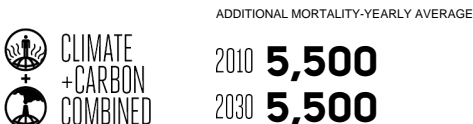
ECONOMIC NATIONAL LOSS TOTALS: CENTRAL AFRICAN REPUBLIC

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



HUMAN NATIONAL LOSS TOTALS: CENTRAL AFRICAN REPUBLIC

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



FULL COUNTRY ASSESSMENT: CENTRAL AFRICAN REPUBLIC

	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	-	-		1								
FLOODS AND LANDSLIDES					1	1	6	9				
STORMS												
WILDFIRES												
TOTAL			0	1	1	1	6	9				
HABITAT CHANGE												
BIODIVERSITY	+	+	35	200					-5,500	-10,000	150	500
DESERTIFICATION				1								
HEATING AND COOLING	-	+	5	55					40	100	5	15
LABOUR PRODUCTIVITY	+	+	75	500					59	48		
PERMAFROST												
SEA-LEVEL RISE												
WATER			-5	-25					-0	-1		
TOTAL			110	731			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	-	+			150	250	0					
HEAT AND COLD ILLNESSES	+	+			95	150						
HUNGER	+	+			250	400	0	0				
MALARIA AND VECTOR-BORNE	+	+			400	400	100	100				
MENINGITIS	+	+			90	150	0	0				
TOTAL					985	1,350	100	100				
INDUSTRY STRESS												
AGRICULTURE	+	+	50	350								
FISHERIES	-	+	10	150								
FORESTRY	+	+	5	75								
HYDRO ENERGY												
TOURISM												
TRANSPORT												
TOTAL			65	575								
CLIMATE TOTAL			175	1,306	985	1,351	106	109				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY	+	+	400	2,500					2,000	5,000		
CORROSION												
WATER	-	+		1					150	200		
TOTAL			400	2501								
HEALTH IMPACT												
AIR POLLUTION	-	-			600	1,000	15	45				
INDOOR SMOKE	-	-			4,000	3,000	200	150				
OCCUPATIONAL HAZARDS	-	+			10	15	3	5				
SKIN CANCER	-	-			5	15	0	0				
TOTAL					4615	4030	218	200				
INDUSTRY STRESS												
AGRICULTURE			-1	-35								
FISHERIES												
FORESTRY	+	-	1	10								
TOTAL			0.25	-25								
CARBON TOTAL			400	2,476	4,615	4,030	218	200				

VULNERABILITY LEVELS:

- Acute+ (Red +)
- Acute- (Red -)
- Severe+ (Orange +)
- Severe- (Orange -)
- High+ (Yellow +)
- High- (Yellow -)
- Moderate (Green)
- Low (Light 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)	

