

COUNTRY PROFILE

BURKINA FASO

CLIMATE: **ACUTE**

CARBON: **MODERATE**

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: BURKINA FASO

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



HUMAN NATIONAL LOSS TOTALS: BURKINA FASO

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



FULL COUNTRY ASSESSMENT: BURKINA FASO

	VULNERABILITY LEVEL		ADDITIONAL ECONOMIC COSTS (MILLION USD PPP)		ADDITIONAL MORTALITY		ADDITIONAL POPULATION AFFECTED (1000s)		OTHER VALUE 1*		OTHER VALUE 2*	
	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030
ENVIRONMENTAL DISASTERS												
DROUGHT	-	-	1	1								
FLOODS AND LANDSLIDES			1	15	1	1	3	7				
STORMS												
WILDFIRES												
TOTAL			2	16	1	1	3	7				
HABITAT CHANGE												
BIODIVERSITY	-	+	60	400					-4,500	-9,250	300	950
DESERTIFICATION			10	50								
HEATING AND COOLING	+	+	45	400					250	600	150	350
LABOUR PRODUCTIVITY	-	+	600	4,000					67	54		
PERMAFROST												
SEA-LEVEL RISE												
WATER			1	15							0	
TOTAL			716	4,865			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	+	+			900	1,250	1					
HEAT AND COLD ILLNESSES	-	-			150	250						
HUNGER	+	-			1,750	1,750	0	0				
MALARIA AND VECTOR-BORNE	+	+			350	200	90	50				
MENINGITIS	+	+			300	600	0	0				
TOTAL					3,450	4,050	92	51				
INDUSTRY STRESS												
AGRICULTURE	-	+	70	450								
FISHERIES		-	10	150								
FORESTRY												
HYDRO ENERGY												
TOURISM												
TRANSPORT												
TOTAL			80	600								
CLIMATE TOTAL			797	5,481	3,450	4,051	95	59				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			15	90					75	200		
CORROSION												
WATER									5	10		
TOTAL			15	90								
HEALTH IMPACT												
AIR POLLUTION	-	-			1,000	2,000	20	60				
INDOOR SMOKE	+	+			20,000	20,000	1,000	1,000				
OCCUPATIONAL HAZARDS					15	20	3	5				
SKIN CANCER					10	35	0	0				
TOTAL					21025	22055	1023	1065				
INDUSTRY STRESS												
AGRICULTURE			-10	-250								
FISHERIES												
FORESTRY			1	5								
TOTAL			-9	-245								
CARBON TOTAL			6	-155	21,025	22,055	1,023	1,065				

VULNERABILITY LEVELS:

- Acute+ (Red +)
- Acute- (Red -)
- Severe+ (Orange +)
- Severe- (Orange -)
- High+ (Yellow +)
- High- (Yellow -)
- Moderate (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

	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)	