

COUNTRY PROFILE

NIGER

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: NIGER

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



HUMAN NATIONAL LOSS TOTALS: NIGER

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



FULL COUNTRY ASSESSMENT: NIGER

	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												
				1		1						
			1	10	1	5	10	25				
TOTAL			1	11	1	5	10	25				
HABITAT CHANGE												
				55		350			-20,000	-40,000	300	850
			5	30								
			30	250					200	550	200	550
			350	2,250					50	41		
			-10	-55					-1	-1		
TOTAL			430	2,825			0	0				
HEALTH IMPACT												
					1,000	1,500	1					
					150	250						
					1,500	1,750	0	0				
					250	150	70	40				
					450	800	0	1				
TOTAL					3,350	4,450	72	42				
INDUSTRY STRESS												
			65	450								
			15	200								
TOTAL			80	650								
CLIMATE TOTAL			511	3,485	3,351	4,455	82	67				
ENVIRONMENTAL DISASTERS												
TOTAL			0	0								
HABITAT CHANGE												
			5	40					30	90		
TOTAL			5	40								
HEALTH IMPACT												
					650	1,250	10	35				
					30,000	30,000	2,000	2,000				
					10	15	2	3				
					10	40	0	0				
TOTAL					30670	31305	2012	2038				
INDUSTRY STRESS												
			-5	-150								
				1								
TOTAL			-5	-149								
CARBON TOTAL			0	-109	30,670	31,305	2,012	2,038				

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)	