

COUNTRY PROFILE

GUINEA-BISSAU

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

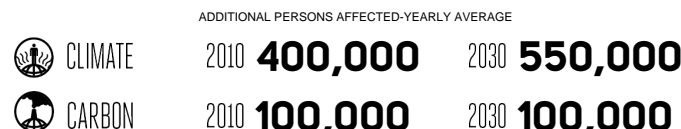
ECONOMIC NATIONAL LOSS TOTALS: GUINEA-BISSAU

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



HUMAN NATIONAL LOSS TOTALS: GUINEA-BISSAU

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



FULL COUNTRY ASSESSMENT: GUINEA-BISSAU

	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	+	-		1								
FLOODS AND LANDSLIDES							0	1				
STORMS												
WILDFIRES	-	+										
TOTAL			0	1	0	0	0	1				
HABITAT CHANGE												
BIODIVERSITY	-	+	5	40					-600	-1,250	350	1,000
DESERTIFICATION			1	5								
HEATING AND COOLING			1	20					15	45	15	35
LABOUR PRODUCTIVITY			55	350					55	45		
PERMAFROST												
SEA-LEVEL RISE			400	2,250			0	0	50	150		
WATER				-1								
TOTAL			462	2,665			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					100	150	0					
HEAT AND COLD ILLNESSES					25	40						
HUNGER					200	200	0	0				
MALARIA AND VECTOR-BORNE					30	20	8	4				
MENINGITIS					65	100	0	0				
TOTAL					420	510	8	4				
INDUSTRY STRESS												
AGRICULTURE			15	100								
FISHERIES												
FORESTRY												
HYDRO ENERGY												
TOURISM												
TRANSPORT												
TOTAL			15	100								
CLIMATE TOTAL			476	2,764	420	510	9	6				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			55	350					3,250	5,000		
CORROSION												
WATER												
TOTAL			55	350								
HEALTH IMPACT												
AIR POLLUTION					200	400	5	15				
INDOOR SMOKE					1,750	1,500	100	85				
OCCUPATIONAL HAZARDS					5	5	1	1				
SKIN CANCER					1	5	0	0				
TOTAL					1,956	1,910	106	101				
INDUSTRY STRESS												
AGRICULTURE			-1	-50								
FISHERIES												
FORESTRY				1								
TOTAL			-1	-49								
CARBON TOTAL			54	301	1,956	1,910	106	101				

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)	