

## COUNTRY PROFILE

**GABON**

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

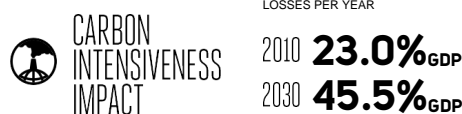
### THE MONITOR ASSESSMENT

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](http://www.daraint.org/cvm2) - [cvm@daraint.org](mailto:cvm@daraint.org) - +34 915310372

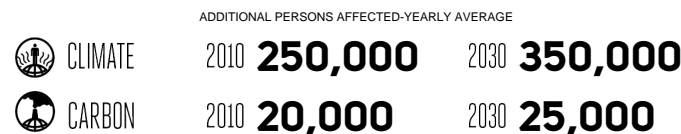
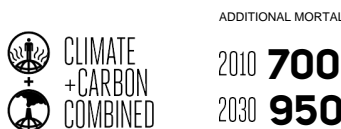
### ECONOMIC NATIONAL LOSS TOTALS: GABON

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



### HUMAN NATIONAL LOSS TOTALS: GABON

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



### FULL COUNTRY ASSESSMENT: GABON

	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
<b>CLIMATE</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	-	+	1	5								
FLOODS AND LANDSLIDES	-	-			1	1	1	3				
STORMS	+	+										
WILDFIRES	+	+										
<b>TOTAL</b>			1	5	1	1	1	3				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	+	100	650					-4,000	-8,000	150	500
DESERTIFICATION			1	5								
HEATING AND COOLING			5	35					30	70	5	15
LABOUR PRODUCTIVITY	+	+	500	3,250					41	33		
PERMAFROST												
SEA-LEVEL RISE	-	+	400	2,000			0	0	150	200		
WATER			-1	-10								
<b>TOTAL</b>			1,005	5,930			0	0				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS	+	+			20	30	0					
HEAT AND COLD ILLNESSES	+	+			25	40						
HUNGER	+	+			40	45	0	0				
MALARIA AND VECTOR-BORNE	+	+			5	5	2	1				
MENINGITIS	+	+			10	15	0	0				
<b>TOTAL</b>					100	135	2	1				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	+	+	300	2,000								
FISHERIES			20	200								
FORESTRY												
HYDRO ENERGY			-1	-5								
TOURISM												
TRANSPORT												
<b>TOTAL</b>			319	2,195								
<b>CLIMATE TOTAL</b>			1,325	8,130	100	135	4	4				
<b>CARBON</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS												
OIL SPILLS												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY	+	+	5,250	35,000					7,250	5,000		
CORROSION												
WATER										1		
<b>TOTAL</b>			5250	35000								
<b>HEALTH IMPACT</b>												
AIR POLLUTION	-	+			350	600	6	15				
INDOOR SMOKE					250	200	10	9				
OCCUPATIONAL HAZARDS					1	5	1	1				
SKIN CANCER					1	5	0	0				
<b>TOTAL</b>					602	810	17	26				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			-5	-250								
FISHERIES			1	5								
FORESTRY	+	+	30	200								
<b>TOTAL</b>			25.75	-45								
<b>CARBON TOTAL</b>			5,275	34,955	602	810	17	26				

**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 <sup>2</sup> ) (cumulative)	Decline in biological richness
DESERTIFICATION	Additional land degraded (km <sup>2</sup> ) (cumulative)	
HEATING & COOLING	Change in energy load (GWh)	
LABOUR PRODUCTIVITY	Share of workforce particularly affected (%)	
SEA-LEVEL RISE	Net loss of land (km <sup>2</sup> ) (cumulative)	
WATER	Loss in water runoff 2030 (km <sup>3</sup> )	
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 <sup>3</sup> )	