

## COUNTRY PROFILE

### ALGERIA

CLIMATE: **MODERATE**

CARBON: **LOW**

### 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: ALGERIA

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



LOSSES PER YEAR

2010 **0.2%GDP**  
2030 **0.5%GDP**



LOSSES PER YEAR

2010 **NIL**  
2030 **NIL**

### HUMAN NATIONAL LOSS TOTALS: ALGERIA

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



ADDITIONAL MORTALITY-YEARLY AVERAGE

2010 **5,000**  
2030 **6,500**



ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE

2010 **3,050,000** 2030 **4,150,000**  
2010 **150,000** 2030 **300,000**

### FULL COUNTRY ASSESSMENT: ALGERIA

	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>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	-	+	5	30								
FLOODS AND LANDSLIDES			5	60	5	5	15	20				
STORMS				1								
WILDFIRES												
<b>TOTAL</b>			10	91	5	5	15	20				
<b>HABITAT CHANGE</b>												
BIODIVERSITY		-	150	1,000					-55,000	-100,000	10	40
DESERTIFICATION		+	45	350								
HEATING AND COOLING		+	-300	-1,750					-3,000	-4,500	-1,750	-2,750
LABOUR PRODUCTIVITY			100	750					18	12		
PERMAFROST												
SEA-LEVEL RISE			95	550			0	0	40	70		
WATER			15	95						0		
<b>TOTAL</b>			105	995			0	0				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS		-			350	500	2					
HEAT AND COLD ILLNESSES		-			150	200						
HUNGER		-			550	600	0	0				
MALARIA AND VECTOR-BORNE		-					0	0				
MENINGITIS		-			150	200	0	0				
<b>TOTAL</b>					1,200	1,500	2	0				
<b>INDUSTRY STRESS</b>												
AGRICULTURE		+	300	2,250								
FISHERIES			30	350								
FORESTRY												
HYDRO ENERGY												
TOURISM												
TRANSPORT												
<b>TOTAL</b>			330	2,600								
<b>CLIMATE TOTAL</b>			445	3,685	1,205	1,505	18	21				
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS												
OIL SPILLS												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY			60	450					5	15		
CORROSION		-	1	5								
WATER												
<b>TOTAL</b>			61	455								
<b>HEALTH IMPACT</b>												
AIR POLLUTION		-			2,250	3,250	65	200				
INDOOR SMOKE		-			1,250	1,500	35	40				
OCCUPATIONAL HAZARDS		+			100	150	35	55				
SKIN CANCER		+			20	50	0	0				
<b>TOTAL</b>					3,620	4,950	135	295				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			-1	-750								
FISHERIES												
FORESTRY			20	100								
<b>TOTAL</b>			19.25	-649								
<b>CARBON TOTAL</b>			80	-194	3,620	4,950	135	295				

**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

BIODIVERSITY OTHER VALUE 1: Contraction of biological zones (km²) (cumulative) OTHER VALUE 2: Decline in biological richness

DESERTIFICATION Additional land degraded (km²) (cumulative)

HEATING & COOLING Change in energy load (GWh)

LABOUR PRODUCTIVITY Share of workforce particularly affected (%)

SEA-LEVEL RISE Net loss of land (km²) (cumulative)

WATER Loss in water runoff 2030 (km³)

OIL SANDS Tonnes toxic waste ('000s)

OIL SPILLS Gallons oil spill ('000s)

BIODIVERSITY Decline in biological richness

WATER Volume of water to treat (millions m³)