

## COUNTRY PROFILE

### AZERBAIJAN

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

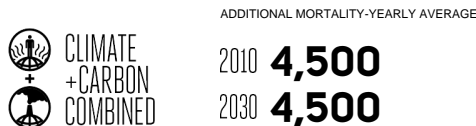
#### ECONOMIC NATIONAL LOSS TOTALS: AZERBAIJAN

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



#### HUMAN NATIONAL LOSS TOTALS: AZERBAIJAN

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



#### FULL COUNTRY ASSESSMENT: AZERBAIJAN

	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	+	-	5	30			9	10				
FLOODS AND LANDSLIDES	-	-	5	30	1	1						
STORMS	+	+										
WILDFIRES	+	+										
<b>TOTAL</b>			10	60	1	1	9	10				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	+	+	200	1,250					-2,000	-4,000	80	250
DESERTIFICATION	-	-		-1			0	-1	-5	-10		
HEATING AND COOLING	-	-	-35	-200					-250	-400	-150	-250
LABOUR PRODUCTIVITY	+	+	35	200					36	27		
PERMAFROST	+	+										
SEA-LEVEL RISE	-	-										
WATER	-	+	100	800					0	1		
<b>TOTAL</b>			300	2,049			0	-1				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS	+	+			15	10	0					
HEAT AND COLD ILLNESSES	-	+			25	65						
HUNGER	+	+										
MALARIA AND VECTOR-BORNE	+	+										
MENINGITIS	+	+										
<b>TOTAL</b>					60	100	0	0				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	+	+	25	200								
FISHERIES	+	+		5								
FORESTRY	+	+	1	25								
HYDRO ENERGY	-	-	-5	-20								
TOURISM	+	+										
TRANSPORT	+	+										
<b>TOTAL</b>			21	210								
<b>CLIMATE TOTAL</b>			331	2,319	61	101	9	8				
<b>CARBON</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS	+	+										
OIL SPILLS	+	+										
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY	+	+	45	300					20	60		
CORROSION	+	-	1	1								
WATER	+	+										
<b>TOTAL</b>			45.75	301								
<b>HEALTH IMPACT</b>												
AIR POLLUTION	-	+			1,500	2,000	20	35				
INDOOR SMOKE	-	+			2,750	2,750	100	100				
OCCUPATIONAL HAZARDS	+	+			5	5	3	3				
SKIN CANCER	+	+			10	30	0	0				
<b>TOTAL</b>					4265	4785	123	138				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	+	+	20	-90								
FISHERIES	+	+										
FORESTRY	+	+										
<b>TOTAL</b>			20	-90								
<b>CARBON TOTAL</b>			65	211	4,265	4,785	123	138				

**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> )	