

COUNTRY PROFILE

ALBANIA

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 - cvm@daraint.org - +34 915310372

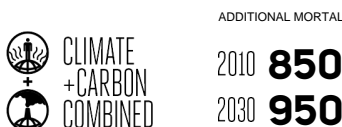
ECONOMIC NATIONAL LOSS TOTALS: ALBANIA

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



HUMAN NATIONAL LOSS TOTALS: ALBANIA

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



FULL COUNTRY ASSESSMENT: ALBANIA

	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	5								
FLOODS AND LANDSLIDES	-	+	1	10	1	1	5	6				
STORMS												
WILDFIRES												
TOTAL			2	15	1	1	5	6				
HABITAT CHANGE												
BIODIVERSITY	-	-	40	250					-50	-100	90	300
DESERTIFICATION	+	+	20	100			35	80	300	600		
HEATING AND COOLING			-20	-100					-95	-150	-1	-1
LABOUR PRODUCTIVITY			1	5					5	5		
PERMAFROST												
SEA-LEVEL RISE			40	200			0	0	5	5		
WATER	-	-	35	250					0	1		
TOTAL			116	705			35	80				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					1	1	0					
HEAT AND COLD ILLNESSES					5	20						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					6	21	0	0				
INDUSTRY STRESS												
AGRICULTURE		-	15	100								
FISHERIES			1	20								
FORESTRY				1								
HYDRO ENERGY	-	+	10	100								
TOURISM												
TRANSPORT												
TOTAL			26	221								
CLIMATE TOTAL			143	940	6	21	40	86				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			30	200					75	200		
CORROSION	+	-	1	1								
WATER	+	-	1	15					150	250		
TOTAL			31.5	216								
HEALTH IMPACT												
AIR POLLUTION	-	+			250	350	9	20				
INDOOR SMOKE					550	550	7	7				
OCCUPATIONAL HAZARDS					5	5	1	1				
SKIN CANCER	-	-			10	25	0	0				
TOTAL					815	930	18	29				
INDUSTRY STRESS												
AGRICULTURE	+		15	-100								
FISHERIES												
FORESTRY				1								
TOTAL			15	-99								
CARBON TOTAL			46	117	815	930	18	29				

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)	