

COUNTRY PROFILE

QATAR

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 - cvm@daraint.org - +34 915310372

ECONOMIC NATIONAL LOSS TOTALS: QATAR

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

CLIMATE CHANGE IMPACT
 LOSSES PER YEAR
 2010 **NIL**
 2030 **0.3%GDP**

CARBON INTENSIVENESS IMPACT
 LOSSES PER YEAR
 2010 **NIL**
 2030 **NIL**

HUMAN NATIONAL LOSS TOTALS: QATAR

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

CLIMATE + CARBON COMBINED
 ADDITIONAL MORTALITY-YEARLY AVERAGE
 2010 **100**
 2030 **150**

CLIMATE
 ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE
 2010 **60,000** 2030 **85,000**

CARBON
 2010 **1,500** 2030 **2,500**

FULL COUNTRY ASSESSMENT: QATAR

	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	-	+	5	20								
FLOODS AND LANDSLIDES							0	0				
STORMS			1	10								
WILDFIRES												
TOTAL			6	30	0	0	0	0				
HABITAT CHANGE												
BIODIVERSITY												
DESERTIFICATION												
HEATING AND COOLING		+	40	500					300	1,000	150	550
LABOUR PRODUCTIVITY			65	450					40	27		
PERMAFROST												
SEA-LEVEL RISE			45	250			0	0			1	
WATER			-10	-55								
TOTAL			140	1,145			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS							0	0				
HEAT AND COLD ILLNESSES							1	1				
HUNGER							1	1				
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL							1	2				
INDUSTRY STRESS												
AGRICULTURE			1	10								
FISHERIES			10	150								
FORESTRY												
HYDRO ENERGY												
TOURISM			10	80								
TRANSPORT												
TOTAL			21	240								
CLIMATE TOTAL			167	1,415	0	1	0	0				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY												
CORROSION												
WATER												
TOTAL			0	0								
HEALTH IMPACT												
AIR POLLUTION		+					100	150	1	2		
INDOOR SMOKE							15	15	0	0		
OCCUPATIONAL HAZARDS									0	0		
SKIN CANCER									0	0		
TOTAL							115	165	1	2		
INDUSTRY STRESS												
AGRICULTURE		+	40	300								
FISHERIES				1								
FORESTRY												
TOTAL			40	300.75								
CARBON TOTAL			40	300	115	165	1	2				

VULNERABILITY LEVELS:

- Acute+ (Red +)
- Acute- (Red -)
- Severe+ (Orange +)
- Severe- (Orange -)
- High+ (Yellow +)
- High- (Yellow -)
- Moderate (Green)
- Low (Dark Green)

+ = 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 (km²) (cumulative)	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)	