

## COUNTRY PROFILE

# UNITED ARAB EMIRATES

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

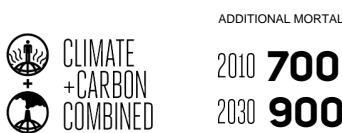
## ECONOMIC NATIONAL LOSS TOTALS: UNITED ARAB EMIRATES

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



## HUMAN NATIONAL LOSS TOTALS: UNITED ARAB EMIRATES

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



## FULL COUNTRY ASSESSMENT: UNITED ARAB EMIRATES

	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	25								
FLOODS AND LANDSLIDES	+	+	1	20	1	1	2	3				
STORMS	+	+	-10	-85								
WILDFIRES	+	+										
<b>TOTAL</b>			-4	-40	1	1	2	3				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	+	+	20	150					-500	-1,000	20	50
DESERTIFICATION	+	+	30	200								
HEATING AND COOLING	-	+	150	2,000					1,250	4,250	800	2,750
LABOUR PRODUCTIVITY	+	+	95	600					36	24		
PERMAFROST	+	+										
SEA-LEVEL RISE	+	+	50	250			0	0	1	5		
WATER	+	+	-15	-150								
<b>TOTAL</b>			330	3,050			0	0				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS	+	+			0	0	0					
HEAT AND COLD ILLNESSES	+	+			5	1						
HUNGER	+	+			5	10	0	0				
MALARIA AND VECTOR-BORNE	+	+										
MENINGITIS	+	+			5	5	0	0				
<b>TOTAL</b>					15	16	0	0				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	+	-	200	1,500								
FISHERIES	+	+	40	450								
FORESTRY	+	+										
HYDRO ENERGY	+	+										
TOURISM	+	+	150	1,500								
TRANSPORT	+	+										
<b>TOTAL</b>			390	3,450								
<b>CLIMATE TOTAL</b>			716	6,460	15	16	2	3				
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS	+	+										
OIL SPILLS	+	+	50	200					250	250		
<b>TOTAL</b>			50	200								
<b>HABITAT CHANGE</b>												
BIODIVERSITY	+	+	5	30					5	10		
CORROSION	+	+										
WATER	+	+										
<b>TOTAL</b>			5	31								
<b>HEALTH IMPACT</b>												
AIR POLLUTION	-	+			600	800	8	10				
INDOOR SMOKE	+	+			80	80	0	0				
OCCUPATIONAL HAZARDS	+	+			1	1	1	1				
SKIN CANCER	+	+										
<b>TOTAL</b>					681	881	10	12				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	+	+	-15	-600								
FISHERIES	+	+										
FORESTRY	+	+										
<b>TOTAL</b>			-15	-599								
<b>CARBON TOTAL</b>			40	-368	681	881	10	12				

**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	OTHER VALUE 2
	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>2</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> )	