

COUNTRY PROFILE



CLIMATE: **HIGH** 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: OMAN

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



LOSSES PER YEAR
 2010 **0.9%GDP**
 2030 **2.1%GDP**



LOSSES PER YEAR
 2010 **NIL**
 2030 **NIL**

HUMAN NATIONAL LOSS TOTALS: OMAN

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



ADDITIONAL MORTALITY-YEARLY AVERAGE
 2010 **550**
 2030 **1,000**



ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE
 2010 **50,000** 2030 **55,000**
 2010 **6,000** 2030 **10,000**

FULL COUNTRY ASSESSMENT: OMAN

	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	1	3					
STORMS	-	+	75	550								
WILDFIRES												
TOTAL			76	556	0	1	1	3				
HABITAT CHANGE												
BIODIVERSITY	+	+	200	1,750					-2,000	-3,750	30	80
DESERTIFICATION								0				
HEATING AND COOLING	-	-	45	550					350	1,250	250	800
LABOUR PRODUCTIVITY			25	150					26	18		
PERMAFROST												
SEA-LEVEL RISE			100	600			0	0	10	20		
WATER			-25	-200						-0		
TOTAL			345	2,850			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					1	0	0					
HEAT AND COLD ILLNESSES					10	15						
HUNGER					1	5	0	0				
MALARIA AND VECTOR-BORNE												
MENINGITIS					1	1	0	0				
TOTAL					12	21	0	0				
INDUSTRY STRESS												
AGRICULTURE			60	500								
FISHERIES	-	-	200	2,000								
FORESTRY												
HYDRO ENERGY												
TOURISM												
TRANSPORT												
TOTAL			260	2,500								
CLIMATE TOTAL			681	5,906	12	21	1	3				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			10	70					1	5		
CORROSION	-	-		1								
WATER												
TOTAL			10	71								
HEALTH IMPACT												
AIR POLLUTION	-	-			400	750	4	10				
INDOOR SMOKE					150	200	0	1				
OCCUPATIONAL HAZARDS					1	5	0	1				
SKIN CANCER					5	15	0	0				
TOTAL					556	970	6	12				
INDUSTRY STRESS												
AGRICULTURE			-5	-200								
FISHERIES				1								
FORESTRY												
TOTAL			-5	-199								
CARBON TOTAL			5	-128	556	970	6	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
- | | 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) | |