

COUNTRY PROFILE



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: IRAQ

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



LOSSES PER YEAR

2010 **0.6%GDP**
2030 **1.3%GDP**



LOSSES PER YEAR

2010 **0.5%GDP**
2030 **0.5%GDP**

HUMAN NATIONAL LOSS TOTALS: IRAQ

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



ADDITIONAL MORTALITY-YEARLY AVERAGE

2010 **10,000**
2030 **20,000**



ADDITIONAL PERSONS AFFECTED-YEARLY AVERAGE

2010 **2,450,000** 2030 **6,100,000**
2010 **150,000** 2030 **250,000**

FULL COUNTRY ASSESSMENT: IRAQ

	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	15								
FLOODS AND LANDSLIDES					5	5	35	60				
STORMS												
WILDFIRES												
TOTAL			5	15	5	5	35	60				
HABITAT CHANGE												
BIODIVERSITY			85	650					-2,750	-5,500	30	80
DESERTIFICATION			15	100								
HEATING AND COOLING	-	+	100	1,500					750	3,000	550	2,250
LABOUR PRODUCTIVITY			30	250					16	11		
PERMAFROST												
SEA-LEVEL RISE			20	150			0	0	1	1		
WATER			5	55					0	0		
TOTAL			255	2,705			0	0	0	0		
HEALTH IMPACT												
DIARRHEAL INFECTIONS	-	+			300	850	1					
HEAT AND COLD ILLNESSES	-	+			100	150						
HUNGER	+	-			850	2,000	0	1				
MALARIA AND VECTOR-BORNE							0	0				
MENINGITIS	-	+			150	250	0	0				
TOTAL					1,400	3,250	2	2				
INDUSTRY STRESS												
AGRICULTURE	-	+	150	1,000								
FISHERIES			20	250								
FORESTRY												
HYDRO ENERGY			1	15								
TOURISM												
TRANSPORT												
TOTAL			171	1,265								
CLIMATE TOTAL			431	3,985	1,405	3,255	38	62				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			10	85					5	10		
CORROSION	-	+	1	5								
WATER												
TOTAL			10.5	90								
HEALTH IMPACT												
AIR POLLUTION	-	+			7,250	10,000	70	150				
INDOOR SMOKE					2,750	3,500	65	80				
OCCUPATIONAL HAZARDS					70	100	10	15				
SKIN CANCER					20	60	0	0				
TOTAL					10,090	13,660	145	245				
INDUSTRY STRESS												
AGRICULTURE												
FISHERIES												
FORESTRY			10	40								
TOTAL			10	-110								
CARBON TOTAL			20	-20	10,090	13,660	145	245				

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: Contraction of biological zones (km²) (cumulative); OTHER VALUE 2: 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 (1000s)

OIL SPILLS: Gallons oil spill (1000s)

BIODIVERSITY: Decline in biological richness

WATER: Volume of water to treat (millions m³)