

COUNTRY PROFILE

TUNISIA

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: TUNISIA

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



HUMAN NATIONAL LOSS TOTALS: TUNISIA

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



FULL COUNTRY ASSESSMENT: TUNISIA

	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
CLIMATE												
ENVIRONMENTAL DISASTERS												
DROUGHT	-	+	5	15								
FLOODS AND LANDSLIDES			5	45	1		3	4				
STORMS												
WILDFIRES												
TOTAL			10	60	0	1	3	4				
HABITAT CHANGE												
BIODIVERSITY	-	-	150	1,250					-4,000	-7,750	30	80
DESERTIFICATION	-	-	30	200					450	950		
HEATING AND COOLING			-100	-550					-1,000	-1,500	-600	-850
LABOUR PRODUCTIVITY			40	250					19	13		
PERMAFROST												
SEA-LEVEL RISE			500	2,750			0	0	20	45		
WATER			1	15								
TOTAL			621	3,915			30	75				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					10	0	0					
HEAT AND COLD ILLNESSES					1	30						
HUNGER					75	85	0	0				
MALARIA AND VECTOR-BORNE												
MENINGITIS	-	-			45	60	0	0				
TOTAL					131	175	0	0				
INDUSTRY STRESS												
AGRICULTURE	-	+	150	1,000								
FISHERIES			90	1,000								
FORESTRY												
HYDRO ENERGY				-1								
TOURISM												
TRANSPORT												
TOTAL			240	2,000								
CLIMATE TOTAL			871	5,974	131	175	34	80				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			20	150					5	10		
CORROSION	+	+	1	10								
WATER												
TOTAL			21	160								
HEALTH IMPACT												
AIR POLLUTION	-	-			1,500	2,250	15	20				
INDOOR SMOKE					700	750	10	10				
OCCUPATIONAL HAZARDS	-	-			15	25	1	2				
SKIN CANCER					15	35	0	0				
TOTAL					2,230	3,060	26	32				
INDUSTRY STRESS												
AGRICULTURE	+		25	-250								
FISHERIES			1	5								
FORESTRY				1								
TOTAL			25.75	-244.5								
CARBON TOTAL			46	-84	2,230	3,060	26	32				

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: BIODIVERSITY (Contraction of biological zones (km²) (cumulative)), 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 (km²)), 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))