

## COUNTRY PROFILE

### TANZANIA

CLIMATE: **ACUTE**

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](http://www.daraint.org/cvm2) - [cvm@daraint.org](mailto:cvm@daraint.org) - +34 915310372

### ECONOMIC NATIONAL LOSS TOTALS: TANZANIA

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



### HUMAN NATIONAL LOSS TOTALS: TANZANIA

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



### FULL COUNTRY ASSESSMENT: TANZANIA

	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>												
	+	+	5	15								
	+	+	1	10	1	5	20	30				
	+	+	15	90								
	+	+										
<b>TOTAL</b>			21	115	1	5	20	30				
<b>HABITAT CHANGE</b>												
	+	+	150	850					-10,000	-20,000	50	150
	-	-					0	0	-1	-5		
	-	-	40	350					450	1,250	100	300
	+	+	650	4,000					63	51		
			200	1,250			1	2	25	70		
			-200	-1,250					-5	-10		
<b>TOTAL</b>			840	5,200			1	1				
<b>HEALTH IMPACT</b>												
	-	+			1,000	2,000	1					
	-	-			350	550						
	+	+			1,500	2,500	0	1				
	+	+			1,750	1,750	450	450				
	+	+			800	1,250	1	2				
<b>TOTAL</b>					5,400	8,050	453	453				
<b>INDUSTRY STRESS</b>												
	-	+	350	2,500								
	-	-	20	300								
	+	+	35	350								
	-	-	-1	-15								
	+	+	25	200								
<b>TOTAL</b>			429	3,335								
<b>CLIMATE TOTAL</b>			1,290	8,650	5,401	8,055	474	485				
<b>ENVIRONMENTAL DISASTERS</b>												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
	+	-	500	3,000					200	600		
			1	5					350	450		
<b>TOTAL</b>			501	3005								
<b>HEALTH IMPACT</b>												
	-	+			3,750	6,250	60	150				
	-	-			20,000	20,000	1,500	1,000				
					30	50	6	10				
					15	40	0	0				
<b>TOTAL</b>					23795	26340	1566	1160				
<b>INDUSTRY STRESS</b>												
			-40	-1,250								
			10	50								
<b>TOTAL</b>			-30	-1200								
<b>CARBON TOTAL</b>			471	1,805	23,795	26,340	1,566	1,160				

**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 (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>3</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> )	