

## COUNTRY PROFILE

**MALAWI**

CLIMATE: **ACUTE**

CARBON: **MODERATE**

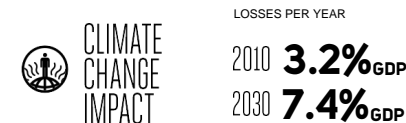
### THE MONITOR ASSESSMENT

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: MALAWI

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



### HUMAN NATIONAL LOSS TOTALS: MALAWI

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



### FULL COUNTRY ASSESSMENT: MALAWI

	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>												
	+	+	1	1								
	-	-	1	5	1	1	15	25				
				1								
<b>TOTAL</b>			2	7	1	1	15	25				
<b>HABITAT CHANGE</b>												
		-	10	60					-600	-1,250	60	150
		-	-1	-10								
		-	-1	-10					-80	-100	-10	-10
	+	+	150	900					61	50		
			-1	-15							-0	
<b>TOTAL</b>			157	925			0	0				
<b>HEALTH IMPACT</b>												
	+	-			450	800	0					
	+	+			250	400						
	-	-			650	1,000	0	0				
	+	+			600	600	150	150				
	+	+			400	650	0	1				
<b>TOTAL</b>					2,350	3,450	151	151				
<b>INDUSTRY STRESS</b>												
	+	+	150	1,000								
	-	+	60	900								
		-	1	10								
<b>TOTAL</b>			211	1,910								
<b>CLIMATE TOTAL</b>			369	2,842	2,351	3,451	166	176				
<b>ENVIRONMENTAL DISASTERS</b>												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
			35	250					250	700		
				1					80	100		
<b>TOTAL</b>			35	250.75								
<b>HEALTH IMPACT</b>												
	-	-			1,000	1,750	20	60				
	+	+			15,000	10,000	850	700				
	-	-			20	35	5	7				
	-	-			20	55	0	0				
<b>TOTAL</b>					16,040	11,840	875	767				
<b>INDUSTRY STRESS</b>												
			-20	-450								
			1	1								
<b>TOTAL</b>			-19.5	-449								
<b>CARBON TOTAL</b>			16	-199	16,040	11,840	875	767				

**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<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>)