

## COUNTRY PROFILE

**LAOS**

CLIMATE: **ACUTE** CARBON: **HIGH**

### 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

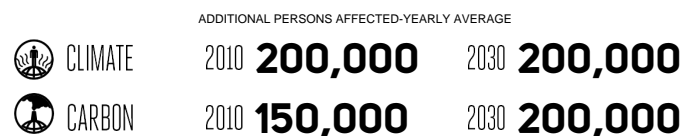
### ECONOMIC NATIONAL LOSS TOTALS: LAOS

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



### HUMAN NATIONAL LOSS TOTALS: LAOS

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



### FULL COUNTRY ASSESSMENT: LAOS

	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>CLIMATE</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	+	-	1	5								
FLOODS AND LANDSLIDES	-	-	1	15	5	10	55	70				
STORMS	+	+	-5	-35	1	1	5	8				
WILDFIRES	+	+										
<b>TOTAL</b>			-3	-15	6	11	60	78				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	-	30	300					-1,250	-2,500	150	500
DESERTIFICATION	-	-		-1			0	-1	-15	-30		
HEATING AND COOLING	-	-	10	250					100	400	1	1
LABOUR PRODUCTIVITY	-	+	450	4,750					49	38		
PERMAFROST												
SEA-LEVEL RISE	+	+										
WATER	+	+	-70	-750					-1	-1		
<b>TOTAL</b>			420	4,549			0	-1				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS	+	+			35	0	0					
HEAT AND COLD ILLNESSES	+	+			45	50						
HUNGER	-	-			85	100	0	0				
MALARIA AND VECTOR-BORNE	+	+			40	50	15	20				
MENINGITIS	+	+			50	65	0	0				
<b>TOTAL</b>					255	265	15	20				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	-	+	90	1,000								
FISHERIES	-	-	5	150								
FORESTRY	+	+	5	100								
HYDRO ENERGY	+	+										
TOURISM	+	+										
TRANSPORT	+	+										
<b>TOTAL</b>			100	1,250								
<b>CLIMATE TOTAL</b>			517	5,784	261	276	75	98				
<b>CARBON</b>												
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS	+	+										
OIL SPILLS	+	+										
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY	+	-	350	3,750					2,000	5,000		
CORROSION	+	+										
WATER	+	-	1	15					250	350		
<b>TOTAL</b>			351	3,765								
<b>HEALTH IMPACT</b>												
AIR POLLUTION	+	-			150	300	4	15				
INDOOR SMOKE	-	-			3,750	4,000	150	200				
OCCUPATIONAL HAZARDS	-	-			30	45	2	2				
SKIN CANCER	-	+			15	35	0	0				
<b>TOTAL</b>					3,945	4,380	156	217				
<b>INDUSTRY STRESS</b>												
AGRICULTURE	+	+	-10	-550								
FISHERIES	+	+										
FORESTRY	-	+	10	100								
<b>TOTAL</b>			0	-450								
<b>CARBON TOTAL</b>			351	3,315	3,945	4,380	156	217				

**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	OTHER VALUE 2
DESERTIFICATION	Contraction of biological zones (km <sup>2</sup> ) (cumulative)	Decline in biological richness
HEATING & COOLING	Additional land degraded (km <sup>2</sup> ) (cumulative)	
LABOUR PRODUCTIVITY	Change in energy load (GWh)	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 (1000s)	
OIL SPILLS	Gallons oil spill (1000s)	
BIODIVERSITY	Decline in biological richness	
WATER	Volume of water to treat (millions m <sup>3</sup> )	