

## COUNTRY PROFILE

### LITHUANIA

CLIMATE: **LOW** 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: LITHUANIA

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



#### HUMAN NATIONAL LOSS TOTALS: LITHUANIA

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



#### FULL COUNTRY ASSESSMENT: LITHUANIA

	VULNERABILITY LEVEL		ADDITIONAL ECONOMIC COSTS (MILLION USD PPP)		ADDITIONAL MORTALITY		ADDITIONAL POPULATION (1000s)		OTHER VALUE 1*		OTHER VALUE 2*	
	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030	2010	2030
<b>ENVIRONMENTAL DISASTERS</b>												
DROUGHT	-	+	10	45								
FLOODS AND LANDSLIDES							1	0				
STORMS				1			0	0				
WILDFIRES												
<b>TOTAL</b>			10	46	0	0	1	1				
<b>HABITAT CHANGE</b>												
BIODIVERSITY	-	+	200	1,250					-200	-400	90	300
DESERTIFICATION												
HEATING AND COOLING			-300	-1,750					-1,250	-2,000	-950	-1,750
LABOUR PRODUCTIVITY			5	45					5	5		
PERMAFROST												
SEA-LEVEL RISE			40	200			0	0	1	10		
WATER			-20	-150								
<b>TOTAL</b>			-75	-405			0	0				
<b>HEALTH IMPACT</b>												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES					10	55						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
<b>TOTAL</b>					10	55	0	0				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			15	100								
FISHERIES			15	150								
FORESTRY			-1	-5								
HYDRO ENERGY												
TOURISM			-1	-5								
TRANSPORT												
<b>TOTAL</b>			29	240								
<b>CLIMATE TOTAL</b>			-37	-119	10	55	1	1				
<b>ENVIRONMENTAL DISASTERS</b>												
OIL SANDS												
OIL SPILLS												
<b>TOTAL</b>			0	0								
<b>HABITAT CHANGE</b>												
BIODIVERSITY			65	450					65	150		
CORROSION												
WATER			65	300					2,250	3,000		
<b>TOTAL</b>			130	750								
<b>HEALTH IMPACT</b>												
AIR POLLUTION					700	750	8	9				
INDOOR SMOKE					450	400	3	2				
OCCUPATIONAL HAZARDS					15	15	1	1				
SKIN CANCER					30	65	0	0				
<b>TOTAL</b>					1195	1230	12	13				
<b>INDUSTRY STRESS</b>												
AGRICULTURE			15	100								
FISHERIES			10	75								
FORESTRY												
<b>TOTAL</b>			25	175								
<b>CARBON TOTAL</b>			155	925	1,195	1,230	12	13				

**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
	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> )	