

COUNTRY PROFILE

LATVIA

CLIMATE: **LOW** 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 - cvm@daraint.org - +34 915310372

ECONOMIC NATIONAL LOSS TOTALS: LATVIA

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



HUMAN NATIONAL LOSS TOTALS: LATVIA

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



FULL COUNTRY ASSESSMENT: LATVIA

	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
ENVIRONMENTAL DISASTERS												
DROUGHT	-	+	1	5								
FLOODS AND LANDSLIDES							1	0				
STORMS			1	10			0	0				
WILDFIRES												
TOTAL			2	15	0	0	1	1				
HABITAT CHANGE												
BIODIVERSITY	+	+	150	700					-600	-1,250	90	300
DESERTIFICATION												
HEATING AND COOLING			-150	-950					-600	-1,000	-100	-200
LABOUR PRODUCTIVITY			5	25					5	5		
PERMAFROST												
SEA-LEVEL RISE			90	400			0	0	1	5		
WATER			-55	-350							-0	
TOTAL			40	-175			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES					45	60						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					45	60	0	0				
INDUSTRY STRESS												
AGRICULTURE			5	30								
FISHERIES			15	150								
FORESTRY												
HYDRO ENERGY			-1	-15								
TOURISM			-1	-1								
TRANSPORT												
TOTAL			19	164								
CLIMATE TOTAL			60	4	45	60	1	1				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			40	300					45	150		
CORROSION												
WATER			25	100					1,000	1,500		
TOTAL			65	400								
HEALTH IMPACT												
AIR POLLUTION	+	+			1,000	1,000	10	15				
INDOOR SMOKE					350	300	2	2				
OCCUPATIONAL HAZARDS					5	5	1	1				
SKIN CANCER					35	65	0	0				
TOTAL					1,390	1,370	13	18				
INDUSTRY STRESS												
AGRICULTURE			10	5								
FISHERIES			5	35								
FORESTRY												
TOTAL			15	40								
CARBON TOTAL			80	440	1,390	1,370	13	18				

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 ²) (cumulative)	Decline in biological richness
DESERTIFICATION	Additional land degraded (km ²) (cumulative)	
HEATING & COOLING	Change in energy load (GWh)	
LABOUR PRODUCTIVITY	Share of workforce particularly affected (%)	
SEA-LEVEL RISE	Net loss of land (km ²) (cumulative)	
WATER	Loss in water runoff 2030 (km ³)	
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 ³)	