

COUNTRY PROFILE

ICELAND

CLIMATE: **MODERATE** CARBON: **MODERATE**

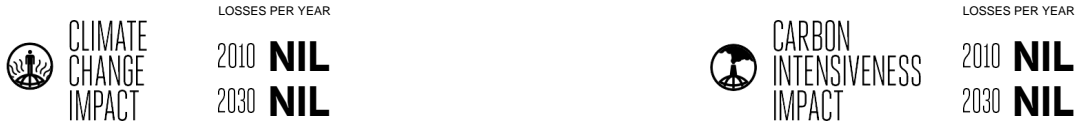
THE MONITOR ASSESSMENT

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 - cvm@daraint.org - +34 915310372

ECONOMIC NATIONAL LOSS TOTALS: ICELAND

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



HUMAN NATIONAL LOSS TOTALS: ICELAND

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



FULL COUNTRY ASSESSMENT: ICELAND

	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												
	-	+		1								
				1			0	0				
TOTAL			0	1	0	0	0	0				
HABITAT CHANGE												
	-	+	20	40					-5	-10	100	300
			-40	-100					-150	-300		
			-10	-25					7	7		
	+	-	350	700			0	0	40	150		
			-25	-70								
TOTAL			295	545			0	0				
HEALTH IMPACT												
					0	0	0	0				
						1						
TOTAL					0	1	0	0				
INDUSTRY STRESS												
				-1								
			-350	-1,000								
	+		5	-1								
TOTAL			-345	-1,002								
CLIMATE TOTAL			-50	-455	0	0	0	0				
ENVIRONMENTAL DISASTERS												
TOTAL			0	0								
HABITAT CHANGE												
TOTAL			0	0								
HEALTH IMPACT												
	-	+			45	60	0	0				
					5	10	0	0				
	+	+			1	1	0	0				
	-	+			5	10	0	0				
TOTAL					56	81	0	0				
INDUSTRY STRESS												
				-1								
	-	+	1	10								
TOTAL			1	9.5								
CARBON TOTAL			1	9	56	81	0	1				

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 (1000s) | |
| OIL SPILLS | Gallons oil spill (1000s) | |
| BIODIVERSITY | Decline in biological richness | |
| WATER | Volume of water to treat (millions m ³) | |