

COUNTRY PROFILE

IRELAND

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 - cvm@daraint.org - +34 915310372

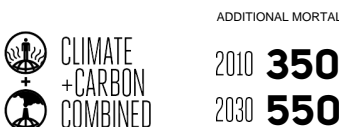
ECONOMIC NATIONAL LOSS TOTALS: IRELAND

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



HUMAN NATIONAL LOSS TOTALS: IRELAND

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



FULL COUNTRY ASSESSMENT: IRELAND

	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
CLIMATE												
ENVIRONMENTAL DISASTERS												
DROUGHT			5	5								
FLOODS AND LANDSLIDES			5	15	1	1	2					
STORMS			1	1								
WILDFIRES												
TOTAL			11	21	0	1	1	2				
HABITAT CHANGE												
BIODIVERSITY			300	550					-350	-650	90	300
DESERTIFICATION												
HEATING AND COOLING			-300	-850					-1,250	-2,000	-500	-900
LABOUR PRODUCTIVITY									5	5		
PERMAFROST												
SEA-LEVEL RISE			250	500			0	0	5	10		
WATER			-250	-700					-0	-0		
TOTAL			0	-500			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0					
HEAT AND COLD ILLNESSES					-15	-15						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					-15	-15	0	0				
INDUSTRY STRESS												
AGRICULTURE			1	5								
FISHERIES												
FORESTRY			1	1								
HYDRO ENERGY			-1	-1								
TOURISM			-1	-1								
TRANSPORT												
TOTAL			1	5								
CLIMATE TOTAL			10	-475	-15	-15	1	2				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS			5	5					15	15		
TOTAL			5	5								
HABITAT CHANGE												
BIODIVERSITY			100	350					45	200		
CORROSION												
WATER			15	20					400	350		
TOTAL			115	370								
HEALTH IMPACT												
AIR POLLUTION					200	250	5	10				
INDOOR SMOKE					100	150	1	1				
OCCUPATIONAL HAZARDS					30	30	4	4				
SKIN CANCER					55	150	0	0				
TOTAL					385	580	11	16				
INDUSTRY STRESS												
AGRICULTURE			25	30								
FISHERIES			10	30								
FORESTRY				1								
TOTAL			35	60.75								
CARBON TOTAL			155	435	385	580	11	16				

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)	