

COUNTRY PROFILE

ROMANIA

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

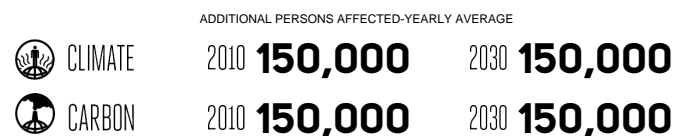
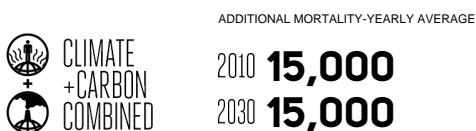
ECONOMIC NATIONAL LOSS TOTALS: ROMANIA

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



HUMAN NATIONAL LOSS TOTALS: ROMANIA

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



FULL COUNTRY ASSESSMENT: ROMANIA

	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	-	+	20	100								
FLOODS AND LANDSLIDES	-	+	40	300	1	1	8	6				
STORMS			1	1								
WILDFIRES												
TOTAL			61	401	1	1	8	6				
HABITAT CHANGE												
BIODIVERSITY	-	+	350	2,500					-200	-350	90	250
DESERTIFICATION												
HEATING AND COOLING			-200	-1,250					-1,750	-3,250	-1,000	-2,000
LABOUR PRODUCTIVITY			5	40					5	5		
PERMAFROST												
SEA-LEVEL RISE			80	400			0	0	90	200		
WATER	+	+	1,000	6,750					1	5		
TOTAL			1,235	8,440			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					1	1	0					
HEAT AND COLD ILLNESSES	-	+			300	400						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					301	401	0	0				
INDUSTRY STRESS												
AGRICULTURE			100	800								
FISHERIES			1	10								
FORESTRY				-1								
HYDRO ENERGY	-	+	30	250								
TOURISM			-1	-10								
TRANSPORT	+	+	10	100								
TOTAL			140	1,149								
CLIMATE TOTAL			1,434	9,990	301	401	8	6				
CARBON												
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			200	1,500					70	200		
CORROSION	+	+	5	15								
WATER	+	+	75	350					3,500	5,000		
TOTAL			280	1865								
HEALTH IMPACT												
AIR POLLUTION	+	+			7,250	7,750	70	80				
INDOOR SMOKE	+	+			5,000	4,000	55	45				
OCCUPATIONAL HAZARDS	-	-			150	150	8	8				
SKIN CANCER	+	+			200	400	0	0				
TOTAL					12600	12300	133	133				
INDUSTRY STRESS												
AGRICULTURE	+	+	50	-1,250								
FISHERIES												
FORESTRY	-	-	60	150								
TOTAL			110	-1100								
CARBON TOTAL			390	765	12,600	12,300	133	133				

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 (km²) (cumulative) / Decline in biological richness
- DESERTIFICATION: Additional land degraded (km²) (cumulative)
- HEATING & COOLING: Change in energy load (GWh)
- LABOUR PRODUCTIVITY: Share of workforce particularly affected (%)
- SEA-LEVEL RISE: Net loss of land (km²) (cumulative)
- WATER: Loss in water runoff 2030 (km³)
- OIL SANDS: Tonnes toxic waste ('000s)
- OIL SPILLS: Gallons oil spill ('000s)
- BIODIVERSITY: Decline in biological richness
- WATER: Volume of water to treat (millions m³)