

COUNTRY PROFILE

BELARUS

CLIMATE: **MODERATE**

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: BELARUS

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



HUMAN NATIONAL LOSS TOTALS: BELARUS

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



FULL COUNTRY ASSESSMENT: BELARUS

	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	+	-	10	35								
FLOODS AND LANDSLIDES	-	-	5	35	1	1	6	5				
STORMS												
WILDFIRES												
TOTAL			15	70	1	1	6	5				
HABITAT CHANGE												
BIODIVERSITY	-	+	700	4,250					-550	-1,250	90	250
DESERTIFICATION												
HEATING AND COOLING			-350	-2,250					-1,750	-3,500	-1,500	-2,750
LABOUR PRODUCTIVITY			15	95					5	5		
PERMAFROST												
SEA-LEVEL RISE												
WATER	-	+	400	2,500					1	1		
TOTAL			765	4,595			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS					0	0	0	0				
HEAT AND COLD ILLNESSES					250	300						
HUNGER												
MALARIA AND VECTOR-BORNE												
MENINGITIS												
TOTAL					250	300	0	0				
INDUSTRY STRESS												
AGRICULTURE			55	400								
FISHERIES			1	5								
FORESTRY			-1	-15								
HYDRO ENERGY												
TOURISM			-1	-20								
TRANSPORT												
TOTAL			54	370								
CLIMATE TOTAL			833	5,035	251	301	6	5				
ENVIRONMENTAL DISASTERS												
OIL SANDS												
OIL SPILLS												
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY			250	1,750					70	200		
CORROSION			1	1								
WATER	+	+	300	1,250					7,500	10,000		
TOTAL			550.5	3001								
HEALTH IMPACT												
AIR POLLUTION	+	+			3,250	3,750	60	100				
INDOOR SMOKE	+	+			1,750	1,500	15	15				
OCCUPATIONAL HAZARDS	+	-			65	70	30	30				
SKIN CANCER	-	+			70	150	0	0				
TOTAL					5135	5470	105	145				
INDUSTRY STRESS												
AGRICULTURE	+	+	200	750								
FISHERIES												
FORESTRY												
TOTAL			200	750								
CARBON TOTAL			750	3,751	5,135	5,470	105	145				

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)