

COUNTRY PROFILE

AUSTRIA

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

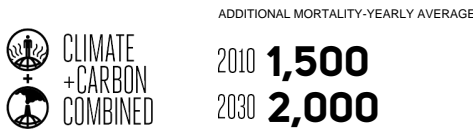
ECONOMIC NATIONAL LOSS TOTALS: AUSTRIA

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



HUMAN NATIONAL LOSS TOTALS: AUSTRIA

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



FULL COUNTRY ASSESSMENT: AUSTRIA

	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	10								
FLOODS AND LANDSLIDES	-	-	30	90	1	1	4	6				
STORMS	-	-	5	10								
WILDFIRES	-	-										
TOTAL			45	110	1	1	4	6				
HABITAT CHANGE												
BIODIVERSITY	-	-	300	800					-1,000	-2,000	90	300
DESERTIFICATION	-	-										
HEATING AND COOLING	-	-	-500	-1,500					-2,500	-4,750	-450	-850
LABOUR PRODUCTIVITY	-	-							6	6		
PERMAFROST	-	-										
SEA-LEVEL RISE	-	-										
WATER	+	+	2,000	6,000					1	1		
TOTAL			1,800	5,300			0	0				
HEALTH IMPACT												
DIARRHEAL INFECTIONS	-	-			0	0	0	0				
HEAT AND COLD ILLNESSES	-	-			30	85						
HUNGER	-	-										
MALARIA AND VECTOR-BORNE	-	-										
MENINGITIS	-	-										
TOTAL					30	85	0	0				
INDUSTRY STRESS												
AGRICULTURE	-	-	15	35								
FISHERIES	-	-										
FORESTRY	-	-	-1	-10								
HYDRO ENERGY	-	-	10	50								
TOURISM	-	-	55	300								
TRANSPORT	-	-	5	15								
TOTAL			84	390								
CLIMATE TOTAL			1,929	5,800	31	86	4	6				
ENVIRONMENTAL DISASTERS												
OIL SANDS	-	-										
OIL SPILLS	-	-										
TOTAL			0	0								
HABITAT CHANGE												
BIODIVERSITY	-	-	250	800					95	300		
CORROSION	-	-	1	1								
WATER	-	-	15	15					300	250		
TOTAL			266	816								
HEALTH IMPACT												
AIR POLLUTION	-	-			1,250	1,250	20	35				
INDOOR SMOKE	-	-			300	400	3	4				
OCCUPATIONAL HAZARDS	-	-			60	65	9	10				
SKIN CANCER	+	+			100	250	0	1				
TOTAL					1,710	1,965	33	50				
INDUSTRY STRESS												
AGRICULTURE	+	+	75	100								
FISHERIES	+	+										
FORESTRY	+	+	150	200								
TOTAL			225	300								
CARBON TOTAL			491	1,116	1,710	1,965	33	50				

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 (1000s)
- OIL SPILLS Gallons oil spill (1000s)
- BIODIVERSITY Decline in biological richness
- WATER Volume of water to treat (millions m³)